



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

*** *** ***



AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123

UMTRI - 96 - 8
VERSION 05

UM-3727-98
1998 Ford Escort

In-depth Vehicle Occupant Report

The University
of Michigan
Transportation
Research Institute

UMIVOR-UMIVOR-UMIVOR



DISCLAIMERS

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The crash investigation process is an inexact science which requires that physical evidence such as skid marks, vehicular damage measurements, and occupant contact points are coupled with the investigator's expert knowledge and experience of vehicle dynamics and occupant kinematics in order to determine the pre-crash, crash, and post-crash movements of involved vehicles and occupants.

Because each crash is a unique sequence of events, generalized conclusions cannot be made concerning the crashworthiness performance of the involved vehicle(s) or their safety systems.

UM-3727-98

Case Veh. (A): 1998 Ford
Type: Escort ZX2, 2-door coupe
Driver: 47-year-old female
CDC: 01-FDEW-2, 03-RPEW-2

Vehicle (B): 1995 Buick
Type: Century, 4-door sedan
Driver: 78-year-old male
CDC: 10-LYEW-3, 09-LBEW-2

Situation

(Slide 1, 2) At the time, the weather was clear, the roads were dry, and it was daylight. Case vehicle (A) was traveling west at a driver-estimated speed of 89 kph (55 mph) in the westbound lane of a 2-lane asphalt road in a rural area. Vehicle (B) had been stopped facing south at the 4-leg intersection in the southbound lane of a 2-lane asphalt road for a stop sign. As case vehicle (A) approached the 4-leg intersection, the driver of vehicle (B) began crossing the westbound lane, so as to continue traveling south. The driver of case vehicle (A) attempted to brake and steer to the left, but was unable to avoid striking the right side of vehicle (B) with its front end. After the impact, case vehicle (A) rotated counterclockwise and vehicle (B) rotated clockwise, causing a second impact between the right of case vehicle (A) and the left rear of vehicle (B).

(Slide 3, 4) Damage to the left side of vehicle (B) was moderate. The direct damage began at the left-front bumper corner and extended 180 cm along the left side, with a maximum crush of 32 cm to the left-front fender. Damage from the second impact began at the left-rear bumper corner and extended 132 cm forward along the left side, with a maximum crush of 8 cm to the left-rear quarter panel.

(Slide 5, 6, 7, 8, 9, 10, 11) Using the WinSMASH accident-reconstruction program and c-values measured for both vehicles, the following impact severities were calculated for the first impact:

Vehicle (impact #1)	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	Delta V	22 (14)	-19 (-12)	-11 (-7)
	EBS	17 (11)	-15 (-9)	-9 (-5)
Vehicle (B)	Delta V	18 (11)	-9 (-6)	16 (10)
	EBS	22 (14)	-11 (-7)	19 (12)

(Slide 12, 13, 14, 15, 16, 17) Also, the following impact severities were calculated for the second impact:

Vehicle (impact #2)	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	Delta V	9 (6)	0 (0)	--9 (-6)
	EBS	13 (8)	0 (0)	-13 (-8)
Vehicle (B)	Delta V	8 (5)	0 (0)	8 (5)
	EBS	18 (11)	0 (0)	18 (11)

Exterior Damage

(Slide 18) Damage to the front of case vehicle (A) was moderate with a maximum crush of 26 cm to the right-front bumper corner. (Slide 19) The direct damage began at the right-front bumper corner and extended 115 cm across the front, resulting in 86 percent front-end overlap and 78 percent vehicle overlap. The front bumper was crushed, the grille was damaged, and both headlight assemblies were deformed. The hood was crushed, the damaged hood latch was jammed, and both hood hinges were deformed but not separated. The rear edge of the hood was elevated, but it did not contact the windshield. (Slide 20) The first impact crushed the right-front fender, and the right wheelbase was reduced 5 cm. There was no damage to the left side, but the left wheelbase was reduced 3 cm.

(Slide 21, 22, 23) The second impact to the right-rear of case vehicle (A) was minor with a maximum crush of 11 cm to the right-rear quarter panel. The direct damage began 39 cm forward of the right-rear axle and extended 127 cm forward along the right side. This impact damaged the right-rear quarter panel and door panel, causing the right door to be jammed closed.

Interior Damage

(Slide 24, 25) This vehicle is equipped with steering-wheel and passenger frontal-impact airbags which deployed during the frontal impact. (Slide 26, 27) There was facial makeup on the steering-wheel airbag skin, and the airbag cover was slightly bent. (Slide 28) There was no damage to the steering wheel and no rotation of the steering column, but the plastic cover of the steering column was cracked, due to driver contact. There was no damage to the upper or mid portions of the instrument panel. (Slide 29, 30) The lower left and right portions of the instrument panel were contacted and damaged by driver contact, and the control knob located on the lower-left portion of the instrument panel was damaged from driver contact. (Slide 31, 32, 33) There was no damage to the vertical console area, but there were scuff marks on the center console located on the right-front passenger side. (Slide 34, 35, 36) The glove compartment, right side-door interior, and right side-door armrest were damaged and contacted by the right-front passenger. (Slide 37) Also, the right-rear side panel was damaged. The following intrusions were noted and measured.

Location	Component	Distance (cm)	Direction
right front	side-door panel	3	to left
	toe pan	7	to rear
right rear	side panel	4	to left

Occupant Kinematics and Injuries

(Slide 38) The 47-year-old female driver was wearing the 3-point belt, as evidenced by the belt-replacement tab being pulled out. (Slide 39) She reportedly had the seat in the mid-track position, and the tilt steering wheel in the up position. During the frontal impact, she moved forward into the belt restraints and the deploying airbag. She sustained a fractured sternum from loading from the shoulder portion of the 3-point belt. She sustained a contusion across her lower abdomen, from loading into the lap portion of the 3-point belt. She sustained a contusion to her right hip, which was probably from the

lap belt webbing or the buckle assembly. (Slide 40) Her face contacted the deploying airbag, as evidenced by facial makeup on the airbag skin, resulting in swelling and contusions to her lips. (Slide 41) She sustained a contusion to her right knee from contact with the steering column and left-lower portion of the instrument panel, as evidenced by damage and scuff marks to the plastic panel. (Slide 42, 43) She sustained a contusion to her left knee, probably from contact with the lower instrument panel and control knob, as indicated by damage. She sustained a contusion to her right pinky finger and contusions to her right anterior forearm from contact by the airbag cover or deploying airbag.

(Slide 44) The 18-year-old female, right-front passenger was wearing the 3-point belt, as indicated by the belt-replacement tag being pulled out. (Slide 45) She reportedly had the seat in the rear-most track position. Loading from the 3-point belt during the frontal impact resulted in a contusion to her right shoulder and a fractured right clavicle. (Slide 46) She sustained a contusion to her right hip, which was probably due to the right-side door armrest, or the lap portion of the 3-point belt. In addition, she sustained a contusion to her left hip, which may have been from the buckle assembly or the lap portion of the 3-point belt. She sustained a contusion to her left knee from contact with the center console, as evidenced by scuff marks. (Slide 47) She sustained a contusion to her right knee from contact with the glove compartment, as indicated by damage and scuff marks.

(Slide 48, 49) The attached tables summarize the injury information for the two restrained occupants.

Occupant: Driver
 Restraints: 3-point belt worn; airbag deployed

Age: 47 years
 Stature: 168 cm (5 ft 6 in)

Sex: Female
 Mass: 70 kg (155 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Contusion and swelling, lips	1	Airbag		
Fracture, sternum	2	3-point belt (shoulder portion)		
Contusion, right hip	1		Buckle assembly, lap portion of 3-point belt	
Contusion, across lower abdomen	1	3-point belt (lap portion)		
Contusion, right pinky finger	1		Airbag cover, airbag	
Contusions, right anterior forearm	1		Airbag cover, airbag	
Contusion, left knee	1		Control knob, lower instrument panel	
Contusion, right knee	1		Steering column, lower instrument panel	
<u>Maximum A.I.S. Level</u>	<u>2</u>			
<u>Injury Severity Score</u>	<u>5</u>			

Occupant: Right front
 Restraints: 3-point belt worn; airbag deployed

Age: 18 years
 Stature: 168 cm (5 ft 6 in)

Sex: Female
 Mass: 61 kg (135 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Fracture, right clavicle	2	3-point belt (shoulder portion)		
Contusion, right shoulder	1	3-point belt (shoulder portion)		
Contusion, right hip	1		Right-side door armrest, lap portion of 3-point belt	
Contusion, left hip	1		Buckle assembly, lap portion of 3-point belt	
Contusion, left knee	1	Center console		
Contusion, right knee	1	Glove compartment		
<u>Maximum A.I.S. Level</u>	<u>2</u>			
<u>Injury Severity Score</u>	<u>5</u>			

TEAM CODE

30

ACCIDENT ID

03727

VEHICLE NUMBER

1

MODULE

A D

FORMAT

0 1

FORM VERSION

0 5

NO. OF CASE VEHICLES IN ACCIDENT

1

NUMBER OF SLIDES

49

TEAM REPORT NUMBER

UM-3727-9818272837

SPECIAL STUDY

(00) None

(01) Offset Frontal

(98) Not Applicable

993839

DATE OF FIELD INVESTIGATION:

[REDACTED] / 98

INVESTIGATOR:

[REDACTED]

LOCATION WHERE VEHICLE WAS EVALUATED:

[REDACTED]

CIRCLE PHOTO RECORDS MADE:

SLIDES

NEGATIVES

POLAROID

REPORT PREPARED BY:

[REDACTED]

TIME		ENVIRONMENTAL CONDITIONS	
DATE OF COLLISION <u> </u> / <u> </u> / <u> </u> m m d d y y		CONSTRUCTION ZONE (0) NO (1) YES (9) UNKNOWN	
HOUR OF COLLISION <u> </u> : <u> </u> : <u> </u> (24 HOUR CLOCK) 19 22		ROAD ALIGNMENT VERTICAL PLANE (1) LEVEL (2) CREST OF HILL (3) SLOPE (2%) (4) BOTTOM OF HILL (9) UNKNOWN	
LOCATION STATE: <u>MICHIGAN</u>		ROAD ALIGNMENT HORIZONTAL PLANE (1) STRAIGHT (2) CURVE (3) T - SHAPED (4) Y - SHAPED (7) OTHER: _____ (9) UNKNOWN	
STATE FIPS CODE <u>26</u>	23 24	SURFACE COVERING (10) DRY (21) WATER - DAMP (22) WATER - WET (23) WATER - PUDDLED (29) WATER - AMOUNT UNKNOWN (31) SNOW - LOOSE (32) SNOW - PACKED (39) SNOW - CONDITION UNKNOWN (41) ICE (51) SLUSH (61) SPILLED GRAVEL (71) OTHER: _____ (99) UNKNOWN	
AREA (1) URBAN (2) RURAL (9) UNKNOWN	<u>2</u> 25	VISIBILITY LIMITATION (FOR CASE VEHICLE) (0) NONE (1) CLOUDY/DARK (2) FOG (3) SMOKE (4) WINDSHIELD CONDITION (5) GLARE (6) RAIN (7) OTHER: _____ (8) ICE/SNOW (9) UNKNOWN	
ENVIRONMENTAL CONDITIONS LIMITED-ACCESS HIGHWAY (0) NO (1) YES (9) UNKNOWN	<u>0</u> 26	VISIBILITY OBSTRUCTION (FOR CASE VEHICLE) (0) NONE (1) BUILDING (2) SIGN (3) VEGETATION (E.G. BUSHES, SHRUBS) (4) TREE (5) HILL OR CURVE IN ROAD (6) VEHICLE IN TRANSPORT (7) OTHER: _____ (8) PARKED VEHICLE (9) UNKNOWN	
ROAD, TOTAL TRAFFIC LANES (FOR CASE VEHICLE) (1) 1-LANE (2) 2-LANES (3) 3-LANES (4) 4 OR MORE LANES (5) DIVIDED, 4 OR MORE LANES (6) PARKING LOT/DRIVEWAY (7) OTHER: _____ (9) UNKNOWN	<u>2</u> 27		
INTERSECTING RD, TOTAL LANES CHOOSE FROM ABOVE LIST, OR (8) NOT APPLICABLE	<u>2</u> 28		
TYPE OF ROAD SURFACE (1) ASPHALT (2) CONCRETE (3) GRAVEL (4) MORE THAN ONE (CIRCLE EACH) (7) OTHER: _____ (9) UNKNOWN	<u>1</u> 29		
ROAD DEFECTS (0) NO (1) YES (9) UNKNOWN	<u>0</u> 30		

GENERAL INFORMATION GI-3

GENERAL INFORMATION GI-3		
CRASH DETAILS		
CASE VEHICLE AND OBJECT (0) NO (1) YES (9) UNKNOWN	$\frac{0}{45}$	HIGHEST POLICE INJURY SEVERITY CODE IN CRASH (NOT JUST CASE VEHICLE) (0) O - NO INJURY (1) C - POSSIBLE INJURY (2) B - NON-INCAPACITATING INJURY (3) A - INCAPACITATING INJURY (4) K - FATAL (5) INJURED, SEVERITY UNKNOWN (6) DIED PRIOR TO ACCIDENT (7) NON-FATAL INJURY SEVERITY UNKNOWN (9) UNKNOWN
CASE VEHICLE ROLLOVER (0) NO ROLLOVER (1) YES, FIRST EVENT (2) YES, SUBSEQUENT EVENT (3) YES, SEQUENCE UNKNOWN (9) UNKNOWN	$\frac{0}{46}$	$\frac{2}{53}$
CASE VEHICLE RAN OFF ROADWAY (BEFORE FIRST IMPACT) (0) NO (1) YES (9) UNKNOWN	$\frac{0}{47}$	DRIVER IMPAIRMENT DRIVER ALCOHOL INVOLVEMENT (CASE VEHICLE) (0) NONE (1) YES (9) UNKNOWN/NOT REPORTED/NO DRIVER DRIVER ALCOHOL BAC (CASE VEHICLE) (80) NO TEST (90) CHEMICAL TESTS, NO RESULTS (95) AUTOPSY, NO RESULTS (99) UNKNOWN
MOVING CASE VEHICLE AND CONTACTED MOVING VEHICLE (0) NO (1) YES (9) UNKNOWN	$\frac{1}{48}$	$\frac{80}{55 \quad 56}$
CASE VEHICLE AND CONTACTED STOPPED VEHICLE (0) NO (1) YES (9) UNKNOWN	$\frac{0}{49}$	WAS THERE MENTION OF DRIVER IMPAIRMENT FOR CASE VEHICLE? (0) NO (1) YES (9) UNKNOWN LIST IMPAIRMENTS MENTIONED: _____ _____ _____
STOPPED CASE VEHICLE AND CONTACTED VEHICLE (0) NO (1) YES (9) UNKNOWN	$\frac{0}{50}$	
TOTAL NUMBER OF VEHICLES CONTACTED BY CASE VEHICLE IN CRASH (8) 8 OR MORE (9) UNKNOWN	$\frac{1}{51}$	Post - CRASH DETAIL MANNER CASE VEHICLE LEFT SCENE (1) DRIVEN (2) TOWED DUE TO DAMAGE (3) TOWED, NOT DUE TO DAMAGE (4) TOWED, REASON UNKNOWN (9) UNKNOWN
ANY FIRE IN THIS CRASH (NOT JUST CASE VEHICLE) (0) NO (1) YES (9) UNKNOWN	$\frac{0}{52}$	$\frac{2}{58}$

ACCIDENT SCHEMATIC

ACCIDENT DESCRIPTION: CASE VEHICLE (A) WAS TRAVELING
WEST AT A DRIVER-ESTIMATED SPEED OF 89 KPH
(55MPH) IN THE WESTBOUND LANE. VEHICLE (B) WAS

CASE VEHICLE (A): 1998 FORD ESCORT

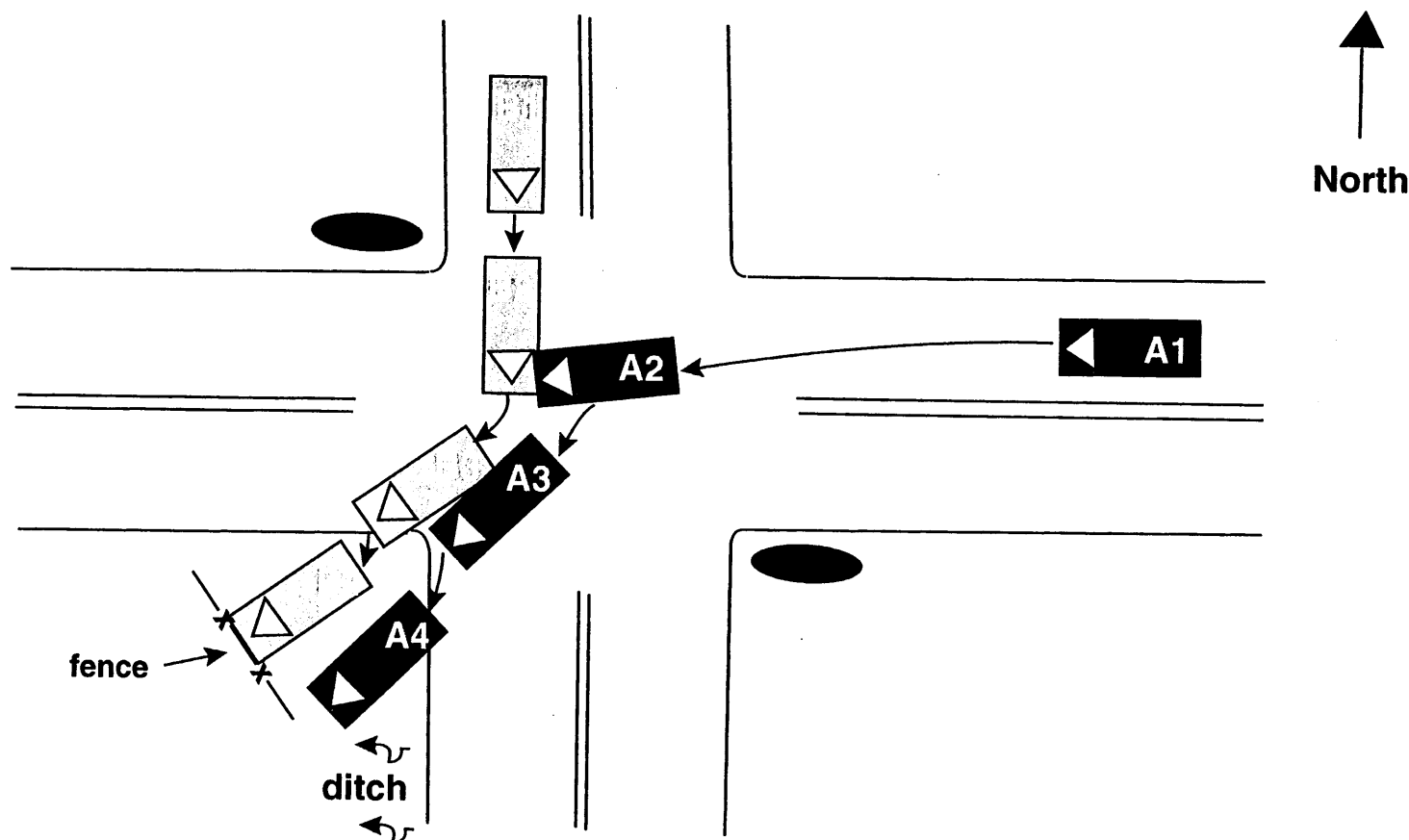
OTHER VEHICLE (B): 1995 BUICK CENTURY

THIRD VEHICLE (C): _____

STOPPED AT THE STOP SIGN FACING SOUTH. AS CASE VEHICLE (A) APPROACHED THE
4-LEG INTERSECTION, THE DRIVER OF VEHICLE (B) BEGAN CROSSING THE WESTBOUND
LANE, SO AS TO TRAVEL SOUTH. THE DRIVER OF CASE VEHICLE (A) BRAKED AND STEERED
TO THE LEFT, BUT WAS UNABLE TO AVOID STRIKING THE LEFT SIDE OF (B). AFTER THE
IMPACT, BOTH VEHICLES ROTATED AND STRUCK AGAIN.



NORTH



Duplicate columns 1-8
from the previous card.Module 0 V Format 0 1
9 10 11 12

OTHER VEHICLE OV-1

MAKE: BUICKCARGO: NONEMODEL: CENTURY4-DR SDN

VIN

13

29

MANUFAC/BODY CODE

11127
30 34

MAKE/MODEL CODE

0422
38

MODEL YEAR

1995

VEHICLE MASS (kg)

001354
41 46IF SEPARATE REPORT WAS MADE,
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS
(ENTER 9'S IF UNKNOWN)02
49

TRAVELING SPEED (km/h)

995
52

- (000) PARKED OR STOPPED
 (995) JUST STARTING UP
 (996) BACKING UP
 (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
 (998) SPEED EXCESSIVE (BUT UNKNOWN)
 (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY
CODE FOR THIS VEHICLE

- (0) O - NO INJURY
 (1) C - POSSIBLE INJURY
 (2) B - NON-INCAPACITATING INJURY
 (3) A - INCAPACITATING INJURY
 (4) K - FATAL
 (5) INJURED, SEVERITY UNKNOWN
 (6) DIED PRIOR TO ACCIDENT
 (7) NON-FATAL INJURY
 SEVERITY UNKNOWN
 (8) UNOCCUPIED VEHICLE
 (NOT APPLICABLE)
 (9) UNKNOWN

2
53

VEHICLE TYPE

PASSENGER VEHICLE

- (02) LARGE
 (03) LIMOUSINE
 (17) PICKUP CAR
 (20) UNKNOWN PASSENGER VEHICLE BODY
 (24) SUB-MINI
 (25) MINI
 (26) SUB-COMPACT
 (27) COMPACT
 (28) INTERMEDIATE
 (29) FULL

27
54 55

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",
E.G. JEEP, BRONCO)
 (15) LARGE UTILITY (WHEELBASE MORE THAN 107",
E.G. PANEL TRUCK, SUBURBAN)
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
 (17) PICKUP CAR WITH CANOPY/SHELL COVER
 (21) MOTOR HOME
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
 (23) PICKUP CAR WITH SLIDE-IN CAMPER
 (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) VAN
 (12) PICKUP TRUCK
 (13) UNKNOWN LIGHT TRUCK
 (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
 (30) UNKNOWN TRUCK TYPE
 (31) CHASSIS-MOUNTED CAMPER
 (33) DELIVERY VAN (WALK-IN)
 (34) STRAIGHT TRUCK
 (35) TRUCK-TRACTOR (BOBTAIL)
 (36) CHASSIS-CAB
 (37) UNKNOWN HEAVY TRUCK
 (38) TRACTOR & SEMI-TRAILER (SEMI)
 (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
 (41) SCHOOL BUS
 (42) INTERCITY BUS (BETWEEN CITIES)
 (43) TRANSIT BUS (INTRACITY)
 (44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)
 (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)
(999) UNKNOWN266
56 57 58

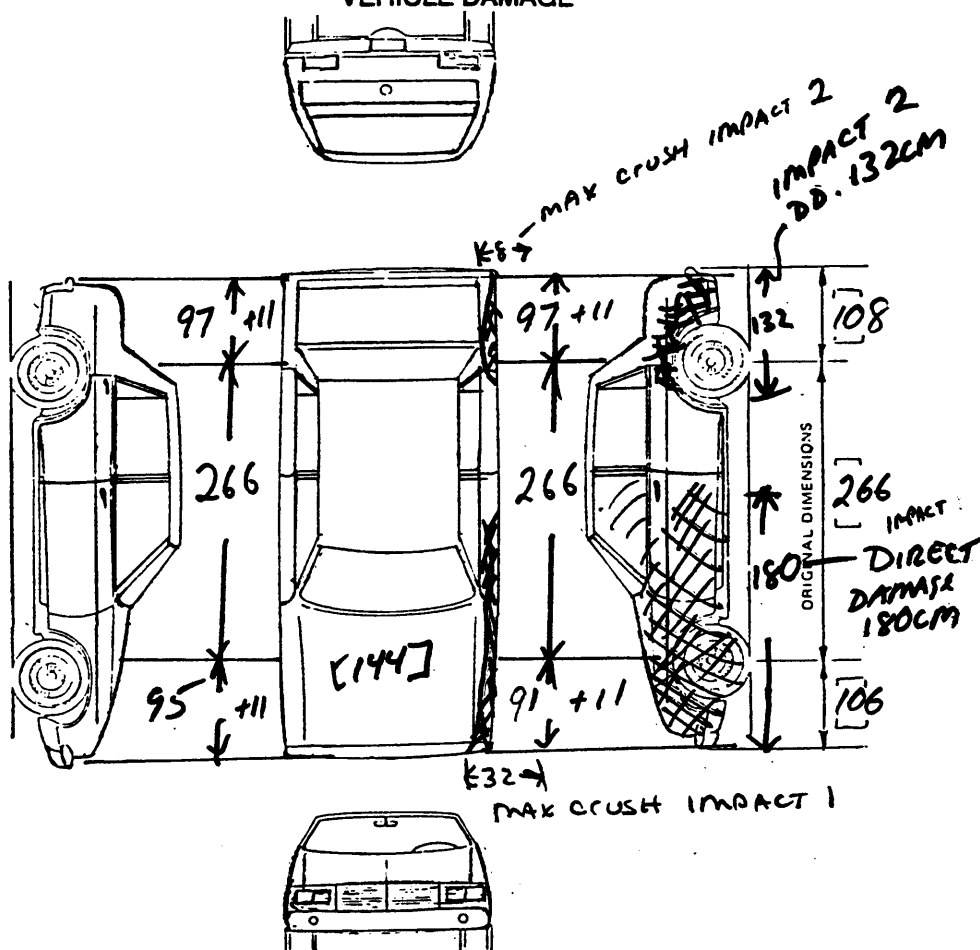
Duplicate columns 1-8
from the previous card.Module 0 V Format 0 2
9 10 11 12

OTHER VEHICLE OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	<u>266</u> cm	Front Overhang	<u>106</u> cm
Curb Weight	<u>1354</u> kg	Rear Overhang	<u>108</u> cm
Average Track Width	<u>147</u> cm	Undeformed End Width (UEW)	<u>152</u> cm
Overall Length	<u>480</u> cm	Engine Displacement	<u>3.1</u> L
Overall Width (OAW)	<u>176</u> cm	Engine: # of Cylinders	<u>06</u>

VEHICLE DAMAGE



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

999 cmFront-End Overlap (Percent) = $\frac{DDL}{UEW}$ 99 %Vehicle Overlap (Percent) = $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$ 99 %

Duplicate columns 1-8
from the previous card.

Module V D Format 0 1
9 10 11 12

VEHICLE DESCRIPTION VD-1

MAKE: FORD
MODEL: ESCORT ZX2 2-DOOR COUPE

CARGO: NONE

VIN

13

29

MANUFAC/BODY CODE

94226
30 34

MAKE/MODEL CODE

0219
38

MODEL YEAR

1998

VEHICLE MASS (kg)

001126
41 46

ODOMETER (km)

(ENTER 9'S IF UNKNOWN)
(ENTER 8'S IF ELECTRONIC)

002492
47 52

NUMBER OF OCCUPANTS
(ENTER 9'S IF UNKNOWN)

02
54

TRAVELING SPEED (km/h)

089
57

(000) PARKED OR STOPPED

(995) JUST STARTING UP

(996) BACKING UP

(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)

(998) SPEED EXCESSIVE (BUT UNKNOWN)

(999) UNKNOWN

55 MPH

STOLEN VEHICLE

- (0) NO
(1) YES
(8) NOT COLLECTED
(9) UNKNOWN

8
60

BODY STRUCTURE

- (1) BODY & FRAME
(2) UNITIZED
(3) INTEGRAL-STUB FRAME
(4) BODY & PLATFORM FRAME
(E.G. VW BUG)
(5) PARTIALLY UNITIZED
(7) OTHER: _____
(9) UNKNOWN

2
61

TRANSMISSION

- (0) NONE
(1) AUTOMATIC
(2) MANUAL
(9) UNKNOWN

1
62

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
(12) 2-DOOR SEDAN OR COUPE
(ANY UPPER B-PILLAR)
(13) 4-DOOR HARDTOP
(14) 4-DOOR SEDAN
(15) STATION WAGON
(16) CONVERTIBLE
(18) OTHER PASS. VEH.: _____
(19) PASSENGER VEHICLE, TYPE UNKNOWN

12
58 59

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
(22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
(23) VAN, SIZE UNKNOWN
(24) VAN, SMALL (MINI)
(25) VAN, LARGE
(29) MPV, TYPE UNKNOWN
(30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
(32) PICKUP TRUCK, SMALL (DOWNSIZED)
(33) PICKUP TRUCK, LARGE

(99) UNKNOWN

LOCATION OF TRANSMISSION SELECTOR LEVER

- (1) FLOOR
(2) CONSOLE
(3) COLUMN
(7) OTHER: _____
(9) UNKNOWN

2
63

STEERING

- (1) POWER
(2) MANUAL
(9) UNKNOWN

1
64

BRAKES

- (1) POWER
(2) MANUAL
(9) UNKNOWN

1
65

VEHICLE DESCRIPTION VD-2

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
 (2) DISC, FRONT WHEELS
 (3) DISC, ALL WHEELS
 (9) UNKNOWN

2
66

WHEELBASE (cm)
 (999) Unknown

250
74 75 76

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
 (1) TWO-WHEEL
 (2) FOUR-WHEEL
 (7) EQUIPPED, UNKNOWN WHEELS
 (9) UNKNOWN

2
67

PLASTIC ANTI-LACERATIVE
 INNER LAYER GLASS EQUIPPED

- (0) NONE
 (1) WINDSHIELD
 (2) WINDSHIELD AND SIDE
 (7) OTHER
 (9) UNKNOWN

0
77

AIR CONDITIONING IN VEHICLE

- (0) NO
 (1) YES
 (8) NOT COLLECTED
 (9) UNKNOWN

8
68

TYPE OF DRIVE

- (1) REAR WHEEL
 (2) FRONT WHEEL
 (3) FOUR WHEEL
 (4) ALL WHEEL DRIVE
 (9) UNKNOWN

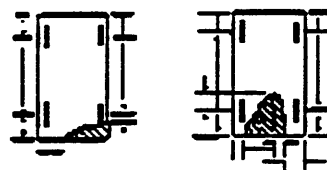
2
69

FIELD INVESTIGATOR INSTRUCTIONS:

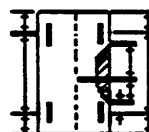
1. INDICATE CRUSHED AREAS BY OUTLINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:

FRONT OR REAR



SIDE



ROOF (REFERENCE TO
 TOP OF DOOR SILL
 OR WINDOW SILL)



DUAL REAR WHEELS

- (0) NO
 (1) YES
 (9) UNKNOWN

0
70

ORIGINAL TYPE
 OF RESTRAINT SYSTEM

DUAL

- (1) ACTIVE BELT
 (2) PASSIVE BELT
 (3) AIRBAG
 (4) KNEE BOLSTERS
 (7) OTHER: _____
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

3
71

EQUIPPED WITH ROLL BAR

- (0) NO
 (1) YES
 (9) UNKNOWN

0
72

TYPE OF ROOF

- (0) NONE
 (1) SOLID
 (2) T-TOP CLOSED
 (3) T-TOP OPEN
 (4) SUN ROOF CLOSED
 (5) SUN ROOF OPEN
 (6) CONVERTIBLE CLOSED
 (7) CONVERTIBLE OPEN
 (8) OTHER: _____
 (9) UNKNOWN

4
73

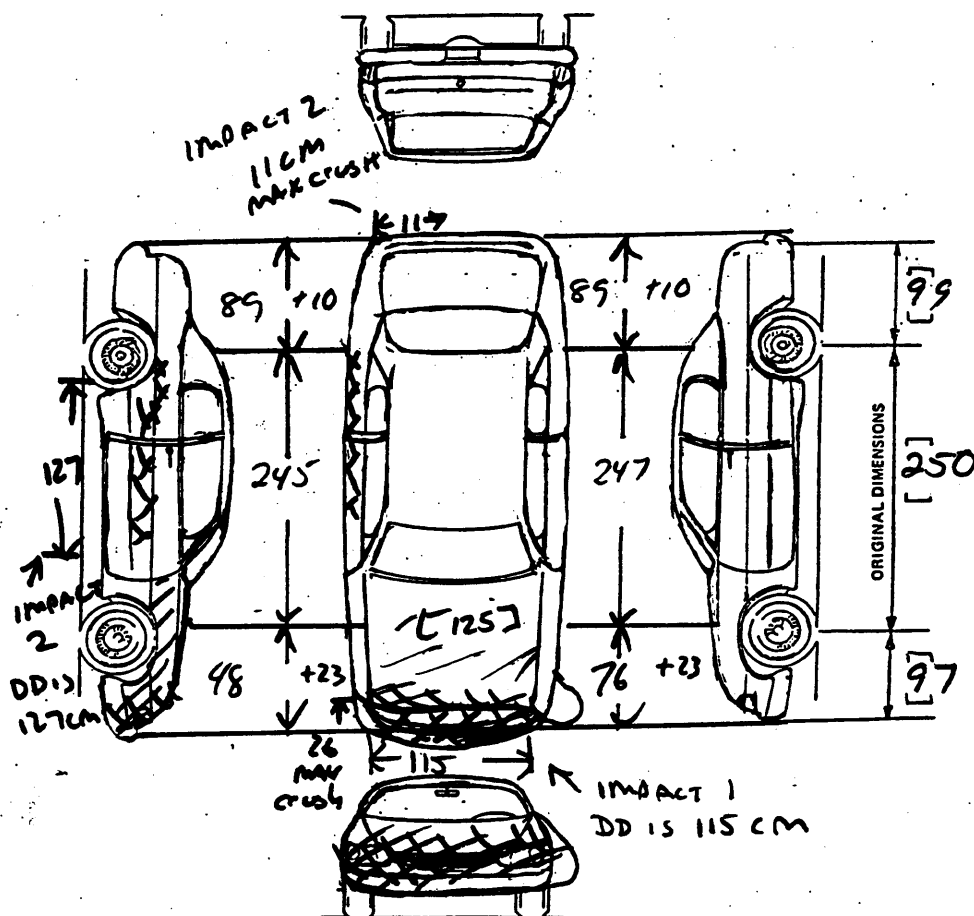
Duplicate columns 1-8
from the previous card.Module V D Format 0 2
9 10 11 12

VEHICLE DESCRIPTION VD-3

ORIGINAL SPECIFICATIONS

Wheelbase	<u>250</u> cm	Front Overhang	<u>097</u> cm
Curb Weight	<u>1126</u> kg	Rear Overhang	<u>099</u> cm
Average Track Width	<u>144</u> cm	Undeformed End Width (UEW)	<u>134</u> cm
Overall Length	<u>445</u> cm	Engine Displacement	<u>2.0</u> L
Overall Width (OAW)	<u>171</u> cm	Engine: # of Cylinders	<u>04</u>

VEHICLE DAMAGE



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL) 115 cmFront-End Overlap (Percent) = $\frac{DDL}{UEW}$ 115 134 86 %Vehicle Overlap (Percent) = $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$ 115 + 1/2 (171 - 134) 171 78 %

Duplicate columns 1-8 from the previous card. Module <u>D</u> <u>A</u> Format <u>0</u> <u>2</u> 9 10 11 12		DAMAGE DA-1	
PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC	
EVENT NUMBER	$\begin{array}{r} 1 \\ \hline 13 \end{array}$		
IMPACT SPEED (km/h)	$\begin{array}{r} 999 \\ \hline 14 \quad 15 \quad 16 \end{array}$	$\begin{array}{r} 999 \\ \hline 35 \quad 36 \quad 37 \end{array}$	
ESTIMATED BY	$\begin{array}{r} 1 \\ \hline 17 \end{array}$	$\begin{array}{r} 1 \\ \hline 38 \end{array}$	
CRUSH (cm)	$\begin{array}{r} 026 \\ \hline 18 \quad 19 \quad 20 \end{array}$	$\begin{array}{r} 032 \\ \hline 39 \quad 40 \quad 41 \end{array}$	
CDC #1	$\begin{array}{r} 01.FDEW.2 \\ \hline 21 \qquad \qquad \qquad 27 \end{array}$	$\begin{array}{r} 10.LYEW.2 \\ \hline 42 \qquad \qquad \qquad 48 \end{array}$	
CDC #2	$\begin{array}{r} 98.0000.0 \\ \hline 28 \qquad \qquad \qquad 34 \end{array}$	$\begin{array}{r} 98.0000.0 \\ \hline 49 \qquad \qquad \qquad 55 \end{array}$	
Duplicate columns 1-8 from the previous card. Module <u>D</u> <u>A</u> Format <u>0</u> <u>3</u> 9 10 11 12			
SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC	
EVENT NUMBER	$\begin{array}{r} 2 \\ \hline 13 \end{array}$		
IMPACT SPEED (km/h)	$\begin{array}{r} 999 \\ \hline 14 \quad 15 \quad 16 \end{array}$	$\begin{array}{r} 999 \\ \hline 35 \quad 36 \quad 37 \end{array}$	
ESTIMATED BY	$\begin{array}{r} 1 \\ \hline 17 \end{array}$	$\begin{array}{r} 1 \\ \hline 38 \end{array}$	
CRUSH (cm)	$\begin{array}{r} 011 \\ \hline 18 \quad 19 \quad 20 \end{array}$	$\begin{array}{r} 008 \\ \hline 39 \quad 40 \quad 41 \end{array}$	
CDC #1	$\begin{array}{r} 03.RPEW.3 \\ \hline 21 \qquad \qquad \qquad 27 \end{array}$	$\begin{array}{r} 09.LBEW.2 \\ \hline 42 \qquad \qquad \qquad 48 \end{array}$	
CDC #2	$\begin{array}{r} 98.0000.0 \\ \hline 28 \qquad \qquad \qquad 34 \end{array}$	$\begin{array}{r} 98.0000.0 \\ \hline 49 \qquad \qquad \qquad 55 \end{array}$	
CODES			
EVENT NUMBER (8) NOT APPLICABLE (9) UNKNOWN IMPACT SPEED (998) NOT APPLICABLE (999) UNKNOWN	IMPACT SPEED ESTIMATOR (1) INVESTIGATOR (2) DRIVER (3) POLICE (4) "CRASH" PROGRAM (5) OTHER COMPUTER PROGRAM SPECIFY: _____ (7) OTHER: _____ (8) NOT APPLICABLE (NO VEHICLE/NO IMPACT)	CRUSH (998) NOT APPLICABLE (NO VEHICLE/DAMAGE) (999) UNKNOWN CDC (9800000) NOT APPLICABLE (9900000) UNKNOWN	

Duplicate columns 1-8
from the previous card.Module D A Format 0 1
9 10 11 12

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 026
13 15RIGHT SIDE 01
16 18REAR 000
19 21LEFT SIDE 000
22 24ROOF 000
25 27OTHER 000
28 30CHRONOLOGICAL SEQUENCE
OF DAMAGE/INJURY PRODUCING CRASH EVENTS
FOR CASE VEHICLENOTE: IF CHRONOLOGICAL ORDER
IS UNKNOWN, EVENT
ORDER IS OPTIONAL.DO YOU KNOW THIS TABLE
TO BE IN CHRONOLOGICAL ORDER? 1

31

(0) NO
(1) YES

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>13</u> 34	<u>27</u> 36
#2	<u>1</u> 37	<u>43</u> 39	<u>27</u> 41
#3	<u> </u> 42	<u> </u> 44	<u> </u> 46
#4	<u> </u> 47	<u> </u> 49	<u> </u> 51
#5	<u> </u> 52	<u> </u> 54	<u> </u> 56
#6	<u> </u> 57	<u> </u> 59	<u> </u> 61
#7	<u> </u> 62	<u> </u> 64	<u> </u> 66

DAMAGE DA-3

CODES FOR
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

DAMAGE DA-4

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (DESCRIBE)
- (99) UNKNOWN

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZE

WHEELBASE

- | | |
|--------------|--------------------------------|
| SUB-MINI | < 2286 mm (< 90") |
| MINI | 2286 - 2412 mm (90" - 94.9") |
| SUB-COMPACT | 2413 - 2539 mm (95" - 99.9") |
| COMPACT | 2540 - 2666 mm (100" - 104.9") |
| INTERMEDIATE | 2667 - 2793 mm (105" - 109.9") |
| FULL | 2794 - 2920 mm (110" - 114.9") |
| LARGE | 2921 - 3174 mm (115" - 124.9") |
| LIMOUSINE | > 3175 mm (> 125") |

MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (MINI)
- (12) PICKUP
- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",
E.G. JEEP, BRONCO)
- (15) LARGE UTILITY (WHEELBASE MORE THAN 107",
E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (E.G. ECONOLINE)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (WALK-IN)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (BOBTAIL)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (SEMI)
- (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (BETWEEN CITIES)
- (43) TRANSIT BUS (INTRACITY)
- (44) STREETCAR (ON TRACKS)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (OR WITH SIDECAR)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (DESCRIBE)
- (61) SNOWMOBILE
- (62) ATV (ALL TERRAIN VEHICLE)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (CAMPER)
- (67) TRAILER, COMMERCIAL (CARGO)
- (68) TRAIN (CARS)
- (69) LOCOMOTIVE (ENGINE, SWITCHER)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (E.G. PERSON RIDING
ANIMAL, CART)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (E.G. OBJECT DISLODGED FROM
OTHER VEHICLE, FALLEN TREE, ROCKS)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (EXCLUDING (65))
- (77) SIGN POST, UTILITY POLE, TREE..
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (ROLLOVER ONLY)
- (81) CURB (DAMAGE PRODUCING IMPACTS ONLY)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE
MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (TIMBER, METAL, CONCRETE)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (MEDIAN)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8
from the previous card.Module C R Format 0 1
9 10 11 12CRASH RECONSTRUCTION CR-1
for ΔV

	CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT	
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE
EVENT NUMBER	<u>1</u> 13		<u>2</u> 47	
ΔV (km/h) TOTAL	<u>022</u> 14 15 16	<u>018</u> 32 33 34	<u>009</u> 48 49 50	<u>008</u> 66 67 68
LONGITUDINAL*	<u>-019</u> 17 20	<u>-009</u> 35 38	<u>+000</u> 51 54	<u>+000</u> 69 72
LATERAL*	<u>-011</u> 21 24	<u>+016</u> 39 42	<u>-009</u> 55 58	<u>+008</u> 73 76
*NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.				
EXAMPLES: 10 km/h = ± 010 -7 km/h = -007				
ENERGY DISSIPATED BY CRUSH (kj)	<u>0015</u> 25 28	<u>0036</u> 43 46	<u>0009</u> 59 62	<u>0004</u> 77 80
RECONSTRUCTION				
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>22</u> 29 30		<u>22</u> 63 64	<u>5</u> 0 5
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL		<u>11</u> -6 10		
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL	<u>14</u> -12 -7		<u>6</u> 0 -6	
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL				
NOT RECONSTRUCTED BECAUSE				
(02) INSUFFICIENT DATA				
(03) EXCESSIVE UNDERRIDE/ OVERRIDE				
(04) ROLLOVER				
(05) VAULTING				
(06) OTHER TRAVEL IN MORE THAN ONE PLANE				
(07) NON-HORIZONTAL FORCE				
(08) SIDESWIPE-TYPE DAMAGE				
(09) YIELDING OBJECT				
(10) OTHER: _____				
(11) AT LEAST ONE VEHICLE BEYOND SCOPE				
(12) OTHER VEHICLE NOT INSPECTED				
MODE				
(1) CDC ONLY	<u>2</u> 31		<u>2</u> 65	
(2) CDC & DETAILED DAMAGE				
(3) TRAJECTORY & CDC				
(4) TRAJECTORY & CDC & DETAILED DAMAGE				
(5) NOT RECONSTRUCTED				
COMPUTER PROGRAM SPECIFY: <u>WIPSMASH</u>				

Duplicate columns 1-8 from the previous card.		Module <u>C</u> <u>R</u> Format <u>0</u> <u>2</u> 9 10 11 12		CRASH RECONSTRUCTION for EBS		CR-2	
		CASE VEHICLE PRIMARY IMPACT		CASE VEHICLE SECONDARY IMPACT			
		CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE		
EVENT NUMBER		<u>1</u> 13		<u>2</u> 47			
EBS (km/h)	TOTAL	<u>017</u> 14 15 16	<u>022</u> 32 33 34	<u>013</u> 48 49 50	<u>018</u> 66 67 68		
	LONGITUDINAL*	<u>-015</u> 17 20	<u>-011</u> 35 38	<u>+000</u> 51 54	<u>+000</u> 69 72		
	LATERAL*	<u>-009</u> 21 24	<u>+019</u> 39 42	<u>-013</u> 55 58	<u>+018</u> 73 76		
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.							
EXAMPLES: 10 km/h = ±010 -7 km/h = -007							
ENERGY DISSIPATED BY CRUSH (kj)		<u>0020</u> 25 28	<u>0036</u> 43 46	<u>0009</u> 59 62	<u>0020</u> 77 80		
RECONSTRUCTION							
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL		<u>22</u> 29 30	<u>14</u> -7 12	<u>22</u> 63 64	<u>11</u> 0 11		
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL							
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL				<u>8</u> 0 -8			
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL		<u>11</u> -10 -5					
NOT RECONSTRUCTED BECAUSE							
(02) INSUFFICIENT DATA							
(03) EXCESSIVE UNDERRIDE/ OVERRIDE							
(04) ROLLOVER							
(05) VAULTING							
(06) OTHER TRAVEL IN MORE THAN ONE PLANE							
(07) NON-HORIZONTAL FORCE							
(08) SIDESWIPE-TYPE DAMAGE							
(09) YIELDING OBJECT							
(10) OTHER: _____							
(11) AT LEAST ONE VEHICLE BEYOND SCOPE							
(12) OTHER VEHICLE NOT INSPECTED							
MODE							
(1) CDC ONLY		<u>2</u> 31		<u>2</u> 65			
(2) CDC & DETAILED DAMAGE							
(3) TRAJECTORY & CDC							
(4) TRAJECTORY & CDC & DETAILED DAMAGE							
(5) NOT RECONSTRUCTED							
COMPUTER PROGRAM SPECIFY: <u>WINSMAH</u>							

Duplicate columns 1-8
from the previous card.Module C R Format 0 3
9 10 11 12

CRASH RECONSTRUCTION CR-3

NOTES:

1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

LOCATOR

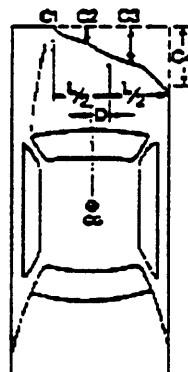
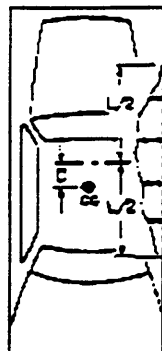
Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	BEGINS AT RFBL	BC TO BC
2	BEGINS 39CM FORWARD OF RR WHEEL	RR WHEEL 199 FWD.

SIZE = 1
STIFF = 9
WEIGHT w/OCC. 1257
UEW = 134

PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown



DL _____

UDL _____

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Length (DDL)	Max Crush								
1	1	115	49	143	21	8	6	18	25.5	49	+10
FREESPACE			23		23	12	0	0	12	23	
TOTAL			26		0	0	6	18	13.5	26	
1	1	115	026	143	000	000	006	018	014	026	+010
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
1	4	127	11	199	0	11	4.2	4	1.5	0	-22.5
2	4	127	011	199	000	011	004	004	002	000	-023

Duplicate columns 1-8
from the previous card.Module C B Format 0 4
9 10 11 12

CRASH RECONSTRUCTION CR-4

NOTES: 1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.

2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR
IMPACTS, REAR TO FRONT IN SIDE IMPACTS.3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.

4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE

LOCATOR

Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	BEGINS AT LEFT-FRONT BUMPER	LFBC TO DRIVER DOOR (242)
2	BEGINS AT LEFT-REAR BUMPER (132)	LRBC TO REAR DOOR

WEIGHT $W/OCC = 1491$
 SIZE = 3
 STIFF = 3
 UEW = 152

PLANE:
 (1) Bumper
 (2) Above Bumper
 (3) Sill
 (4) Above Sill
 (5) Other _____
 (9) Unknown

IMPACT 1 - MAX CRUSH IS 20 CM FORWARD OF C_3 TOWARDS C_4 .
 D.D. BEGINS 90 CM FORWARD OF LEFT-FRONT WHEEL
 DL _____
 UDL _____

IMPACT 2 - MAX CRUSH IS 10 CM FORWARD OF C_2 TOWARDS C_3 .
 D.D. BEGINS 106 CM REAR OF LEFT-REAR WHEEL

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C_1	C_2	C_3	C_4	C_5	C_6	$\pm D$
		Length (DDL)	Max Crush								
1	4	180	34	242	2	13	23	24	16	4	+133
FREESPACE			2		2	2	2	0	5	4	
TOTAL			32		0	11	21	24	11	0	
1	4	180	032	242	000	011	021	024	011	000	+133
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2	4	132	12	132	5.2	9	10	4	2.5	3	-173
FREESPACE			4		5.2	5	4	4	2.5	3	
TOTAL			8		0	4	6	0	0	0	
2	4	132	008	132	000	004	006	000	000	000	-173

Duplicate columns 1-8
from the previous card.Module F T Format 0 1
9 10 11 12

FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL

- (1) GASOLINE
 (2) DIESEL OIL
 (3) LPG
 (4) ELECTRIC
 (7) OTHER: _____
 (9) UNKNOWN

1
13

AUXILIARY TANK TYPE

- (1) OEM TANK
 (2) AFTER MARKET TANK
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

8
21

MAIN TANK LOCATION

322
14 16

AUXILIARY TANK LOCATION

888
22 24

MAIN FILLER CAP LOCATION

CR

113
17 19

AUXILIARY FILLER CAP LOCATION

888
25 27

MAIN TANK MATERIAL

9
20

AUXILIARY TANK MATERIAL

8
28

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
 (2) IN KICK-UP
 (3) BETWEEN KICK-UP & COWL
 (4) FORWARD OF COWL
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
 (2) WITHIN FRAME OR CENTERED
 (3) RIGHT OF FRAME
 (4) DUAL, RIGHT & LEFT TANKS
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
 (2) WITHIN FRAME OR CENTERED
 (3) ABOVE FRAME
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
 (2) ALUMINUM
 (3) PLASTIC
 (7) OTHER
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module F 1 Format 0 1
9 10 11 12

FUEL LEAKAGE FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.(1) YES COMPLETE PAGE.0
13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u> </u> <u> </u> 14 15	<u> </u>	<u> </u>	<u> </u>	<u> </u> <u> </u>	<u> </u> 21
#2	<u> </u> <u> </u> 22 23	<u> </u>	<u> </u>	<u> </u>	<u> </u> <u> </u>	<u> </u> 29
#3	<u> </u> <u> </u> 30 31	<u> </u>	<u> </u>	<u> </u>	<u> </u> <u> </u>	<u> </u> 37
#4	<u> </u> <u> </u> 38 39	<u> </u>	<u> </u>	<u> </u>	<u> </u> <u> </u>	<u> </u> 45
#5	<u> </u> <u> </u> 46 47	<u> </u>	<u> </u>	<u> </u>	<u> </u> <u> </u>	<u> </u> 53

I LEAKING COMPONENT

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING
VAPOR RECOVERY DOME)
(12) AUXILIARY FUEL TANK
(13) MAIN TANK FILLER TUBE
(14) MAIN TANK CAP (GAS CAP)
(15) AUXILIARY TANK FILLER TUBE
(16) AUXILIARY TANK CAP (GAS CAP)
(19) TANK AREA, DETAILS UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK
TO FUEL PUMP)
(22) FUEL FEED LINE (AUXILIARY
TANK TO FUEL PUMP)
(23) FUEL RETURN LINE (FUEL
PUMP TO TANK)
(24) INLINE FUEL FILTER
(25) FUEL LINE (PUMP TO
CARBURETOR OR INJECTOR PUMP)
(26) CARBURETOR TO INJECTOR PUMP
(27) FUEL PUMP
(29) DELIVERY SYSTEM, DETAILS
UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE
(NON-EEC EQUIPPED)
(32) EEC PIPE (VAPOR CANISTER
TO CARBURETOR)

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES
(CANISTER TO CARBURETOR)
(34) LIQUID-VAPOR SEPARATOR
(UNLESS PART OF TANK)
(35) CANISTER
(39) EEC SYSTEM, DETAILS
UNKNOWN

- (49) ENGINE COMPARTMENT,
COMPONENT UNKNOWN
(99) COMPONENT UNKNOWN

II COMPONENT SOURCE

- (1) OEM
(2) AFTER MARKET
(9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
(2) PUNCTURED
(3) RUPTURED
(4) SEVERED/GROSS TEARS
(5) DISCONNECTED/DEFEATED
(9) UNKNOWN

IV SEVERITY OF DAMAGE

- (1) MINOR
(2) MODERATE
(3) SEVERE
(4) DISCONNECTED/DEFEATED
(9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
(2) P, BETWEEN COWL &
REAR BULKHEAD
(3) B, BEHIND REAR BULKHEAD
(4) Y, F, & P
(5) Z, P, & B
(6) D, DISTRIBUTED
(F, P & B)
(9) UNKNOWN

SECOND DIGIT
(LATERAL LOCATION)

- (1) L, LEFT
(2) C, CENTER
(3) R, RIGHT
(4) Y, LEFT CENTER (L & C)
(5) Z, RIGHT CENTER (R & C)
(6) D, DISTRIBUTED
(F, P & B)
(9) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module F R Format 0 1
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

0
13

(1) YES COMPLETE PAGE.

DID FIRE START IN CASE VEHICLE?

- (0) NO
(1) YES
(9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
(2) MODERATE
(3) SEVERE
(9) UNKNOWN

16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE
(2) SLOW/MODERATE
(9) UNKNOWN

15

DID AN INJURY TO CASE
VEHICLE OCCUPANT RESULT FROM
FIRE IN OR ON CASE VEHICLE?

- (0) NO
(1) YES
(9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8
from the previous card.

Module E D Format 0 1
9 10 11 12

EXTERIOR DAMAGE

ED-1

HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

HOOD LATCH(ES) -RELEASED

-DAMAGED

-JAMMED

HOOD HINGES- -LEFT, DAMAGED

-LEFT, SEPARATED
(COMPLETE)

-RIGHT, DAMAGED

-RIGHT, SEPARATED
(COMPLETE)

HOOD REMAINED ON VEHICLE

REAR EDGE OF HOOD- -ELEVATED

-CONTACTED WINDSHIELD

-PENETRATED WINDSHIELD

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
(2) COWL AREA
(3) SIDE
(8) NOT APPLICABLE
(9) UNKNOWN

STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
(1) FLEXIBLE MATERIAL
(2) POT
(3) SINGLE U-JOINT
(4) DOUBLE U-JOINT
(5) FLEXIBLE CABLE
(6) COMBINATION OF ABOVE
(CIRCLE EACH)
(7) OTHER: _____
(8) EQUIPPED, TYPE UNKNOWN
(9) UNKNOWN, IF EQUIPPED

COUPLING- -DAMAGED

(USE CODES
FROM HOOD
PERFORMANCE)

-SEPARATED
(COMPLETE)

ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
(01) - (07) SEE UNITS ON PAGE ED-2
(88) NOT COLLECTED
(97) OTHER: _____
(98) EQUIPPED, TYPE UNKNOWN
(99) UNKNOWN IF EQUIPPED

ORIGINAL LENGTH (mm)

F (OR H): _____

TELESCOPED LENGTH (mm)

G: _____

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED
(991) NOT MEASURED/NO
COMPRESSION
(992) COMPRESSED, AMOUNT
UNKNOWN
(993) DEVICE EXTENDED
(997) UNABLE TO BE MEASURED
(998) NOT APPLICABLE (NOT
EQUIPPED)
(999) UNKNOWN

ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO
(1) YES
(9) UNKNOWN

EXTERIOR DAMAGE

ED-2

LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
 34

LEFT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
 (2) DOOR-LATCH SEPARATION
 (3) LATCH-STRIKER SEPARATION
 (4) STRIKER-PILLAR SEPARATION
 (5) BODY DISTORTION
 (6) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (7) OPENED, REASON UNKNOWN

(8) NOT APPLICABLE (NO DOOR)

(9) UNKNOWN

LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO
 (1) YES
 (4) NO SEPARATION, BUT DAMAGED
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

-A-PILLAR, UPPER

0
 35

LOWER

0
 36

-B-PILLAR, UPPER

0
 37

LOWER

0
 38

-C-PILLAR, UPPER

8
 39

LOWER

8
 40

-D-PILLAR, UPPER

8
 41

LOWER

8
 42

-FRONT

0
 43

-REAR

8
 44

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

0
 45

-REAR

8
 46

EXTERIOR DAMAGE

ED-3

REAR DOOR

REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
 (1) HATCHBACK
 (2) ONE-WAY TAILGATE
 (3) TWO-WAY TAILGATE
 (4) CLAMSHELL/DISAPPEARING TAILGATE
 (5) SINGLE DOOR
 (6) DOUBLE DOOR
 (9) UNKNOWN

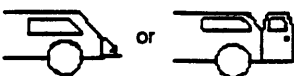
Hatchback



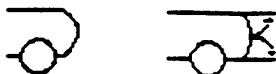
One-way



Two-way



Clamshell



Single door



Double door

HOW DID DOOR
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN
- OPENED BECAUSE OF
- (1) HINGE AREA SEPARATION
 (2) DOOR-LATCH SEPARATION
 (3) LATCH-STRIKER SEPARATION
 (4) STRIKER-PILLAR SEPARATION
 (5) BODY DISTORTION
 (6) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

DOOR JAMMED CLOSED

- (0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA
DAMAGED DURING COLLISION?

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

SPARE TIRE

- (0) NO SPARE TIRE
 (1) NOT ATTACHED BEFORE COLLISION
 (2) ATTACHED, NOT SEPARATED IN COLLISION
 (3) ATTACHED, SEPARATED DUE TO COLLISION
 (8) NOT COLLECTED
 (9) UNKNOWN

TRAILER HITCH TYPE

- (0) NO HITCH

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
 (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
 (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
 (4) LOAD EQUALIZING

OTHER TYPES

- (5) RING-AND-PINTLE
 (6) FIFTH-WHEEL (INCL. P/U)
 (7) OTHER (E.G. CLEVIS-AND-PIN)
- (8) EQUIPPED, TYPE UNKNOWN
 (9) UNKNOWN IF EQUIPPED

TRAILER TYPE
(AT TIME OF COLLISION)

- (0) NO TRAILER
 (1) TRAVEL-TRAILER/CAMPER
 (2) MOBILE HOME
 (3) BOAT/SNOWMOBILE/ATV TRAILER
 (4) UTILITY TRAILER
 (5) TOWED CAR
 (7) OTHER: _____
 (8) TRAILER, TYPE UNKNOWN
 (9) UNKNOWN

EXTERIOR DAMAGE

ED-4

RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
 54

RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO
 (1) YES
 (4) NO SEPARATION, BUT DAMAGED
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

-A-PILLAR, UPPER

0
 55

LOWER

0
 56

-B-PILLAR, UPPER

0
 57

LOWER

0
 58

-C-PILLAR, UPPER

8
 59

LOWER

8
 60

-D-PILLAR, UPPER

8
 61

LOWER

8
 62

RIGHT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION
 (02) DOOR-LATCH SEPARATION
 (03) LATCH-STRIKER SEPARATION
 (04) STRIKER-PILLAR SEPARATION
 (05) BODY DISTORTION
 (06) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (07) OPENED, REASON UNKNOWN
 (11) VAN RIGHT-REAR DOOR OPENED
 (ANY MECHANISM)

(98) NOT APPLICABLE (NO DOOR)

(99) UNKNOWN

-FRONT

00
 63 64

-REAR

98
 65 66

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

1
 67

-REAR

8
 68

VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR
 (1) TRACK (SLIDING) - RIGHT SIDE
 (2) SINGLE-HINGED - RIGHT SIDE
 (3) DOUBLE-HINGED - RIGHT SIDE
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE
 (7) TRACK AND HINGED COMBINATION
 (8) NOT APPLICABLE (NOT A VAN)
 (9) UNKNOWN

8
 69

EXTERIOR DAMAGE

ED-5

WINDSHIELD DAMAGE

WINDSHIELD CRACKED

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

WINDSHIELD BROKEN
(PLASTIC INTERLAYER TORN)

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

CRACKED OR BROKEN
BY OCCUPANT CONTACT

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

EXTENT OF BOND SEPARATION

- (0) NONE
(1) 1 - 20%
(2) 21 - 40
(3) 41 - 60
(4) 61 - 80
(5) 81 - 99
(6) TOTAL
(7) SEPARATED, AMOUNT
UNKNOWN
(8) NOT APPLICABLE
(9) UNKNOWN

WINDSHIELD MARK ON CASE VEHICLE:

SO L A R T I N T

(V) LAMINATED (R)
AS I.

WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED
(98) NOT APPLICABLE (NO WINDSHIELD)
(99) UNKNOWN

97
74 75

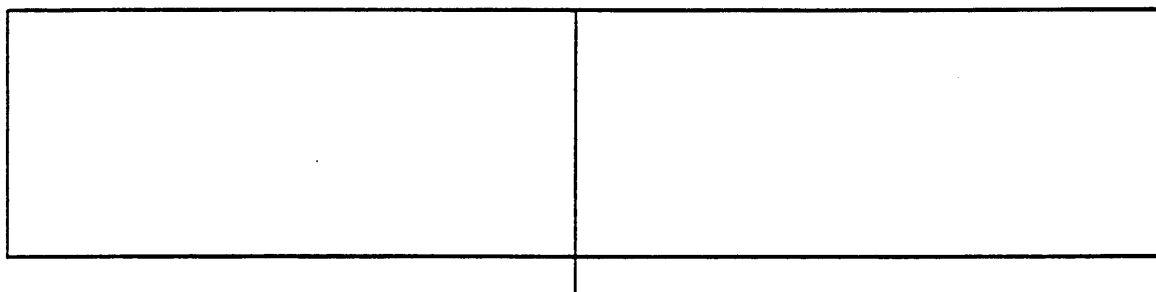
ROOF

DID T-ROOF/SUN ROOF OPEN
DURING COLLISION?

- (0) NO
(1) YES
(8) NOT APPLICABLE
(NOT A T-ROOF OR SUN ROOF)
(9) UNKNOWN

0
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.



L

C

R

Duplicate columns 1-8
from the previous card.Module S C Format 0 1
9 10 11 12

STEERING WHEEL AND COLUMN SC-1

STEERING WHEEL

STEERING WHEEL RIM DAMAGE

- (0) NONE
 (1) DEFORMED SLIGHTLY
 (2) SEVERELY BENT
 (3) BROKEN
 (9) UNKNOWN

0
13

NUMBER OF
STEERING WHEEL SPOKES

- (9) UNKNOWN

4
14

STEERING WHL SPOKE DAMAGE

- (0) NONE
 (1) DEFORMED SLIGHTLY
 (2) SEVERELY BENT
 (3) BROKEN
 (9) UNKNOWN

0
15

STEERING WHEEL POSITION
AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE
NORMAL TOP OF THE WHEEL POINTED
WHEN THE COLLISION OCCURRED?

EXAMPLES

O'CLOCK = 1 2O'CLOCK = 0 2

(NORMAL STRAIGHT
AHEAD)

O'CLOCK = 11

(99) UNKNOWN

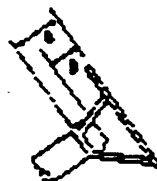
STEERING WHEEL
ENERGY ABSORBING DEVICE

(1) EXAMPLES:



BARRACUDA, 70-74
 CHALLENGER, 70-74
 CAPRI, 71-77

(2) EXAMPLES:



OMNI, 78 -
 HORIZON, 78 -

STEERING COLUMN OPTIONS

TILT FEATURE

- (0) NOT EQUIPPED
 (1) YES, EQUIPPED, UNK POSITION
 (2) UP
 (3) MIDDLE
 (4) LOWER
 (9) UNKNOWN IF EQUIPPED

2
16

SWING-AWAY FEATURE

- (0) NOT EQUIPPED
 (1) YES, EQUIPPED
 (9) UNKNOWN IF EQUIPPED

0
17

TELESCOPING FEATURE

- (0) NOT EQUIPPED
 (1) YES, EQUIPPED
 (9) UNKNOWN IF EQUIPPED

0
18

TYPE OF DEVICE

- (0) NONE
 (1) CONVOLUTED OR MESH CYLINDER
 (2) DEEP DISH STEERING WHEEL
 (7) OTHER: _____
 (8) NOT COLLECTED
 (9) UNKNOWN IF EQUIPPED

8
19

ORIGINAL DIMENSION (mm)

A: _____

DAMAGE DIMENSION (mm)

B: _____

DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
 (991) NOT MEASURED/NO APPARENT
 COMPRESSION
 (992) COMPRESSED, AMOUNT UNKNOWN
 (993) DEVICE EXTENDED
 (997) UNABLE TO MEASURE
 (998) NOT APPLICABLE (NOT EQUIPPED)
 (999) UNKNOWN

8 8 8
20 22

STEERING WHEEL AND COLUMN SC-2

STEERING COLUMN
ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
(88) NOT COLLECTED
(99) UNKNOWN

8 8
23 24

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODE 36, 48,
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ± 10)

- (888) NOT COLLECTED
(991) NOT MEASURED/NO APPARENT
COMPRESSION
(992) COMPRESSED, AMOUNT UNKNOWN
(993) DEVICE EXTENDED
(997) UNABLE TO BE MEASURED
(998) NOT APPLICABLE (NOT EQUIPPED)
(999) UNKNOWN

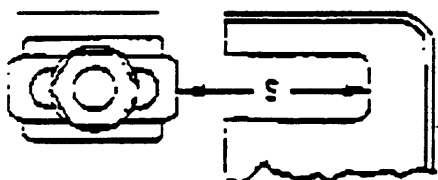
8 8 8
25 27

* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
(991) NOT MEASURED/NO APPARENT
SEPARATION
(992) SEPARATED, AMOUNT UNKNOWN
(997) UNABLE TO BE MEASURED
(998) NOT APPLICABLE (NOT EQUIPPED)
(999) UNKNOWN

8 8 8
28 30

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
(1) UPWARD APPARENT ROTATION
(2) DOWNWARD APPARENT ROTATION
(9) UNKNOWN

0
31

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
(1) LEFT APPARENT ROTATION
(2) RIGHT APPARENT ROTATION
(9) UNKNOWN

0
32

STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
(1) OCCUPANT CONTACT
(2) AIRBAG
(3) OTHER _____
(9) UNKNOWN

1
33

SLIGHTLY
BENT

INTRUSION IT-1

[illegible]

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	AIRBAG COVER	1		BENT	2
B	LOWER IP	1		SCUFF 5X5cm FAR LEFT	1
C	LOWER IP	1		SCUFF 10X5cm LEFT	1
D	STEERING COLUMN	1		BROKEN PLASTIC	1
E	LOWER IP	1		SCUFF 8X2 RIGHT	1
F	AIRBAG	1		MAKEUP	1
G	KNOB ON IP	1		BROKEN	1
H	CENTER CONSOLE	2		SCUFF SKIN 7X2cm	1
I	GLOVE BOX	2		DEFORMATION	1
J	ARMREST	2		DIAG 4x7	1

32 K

door panel

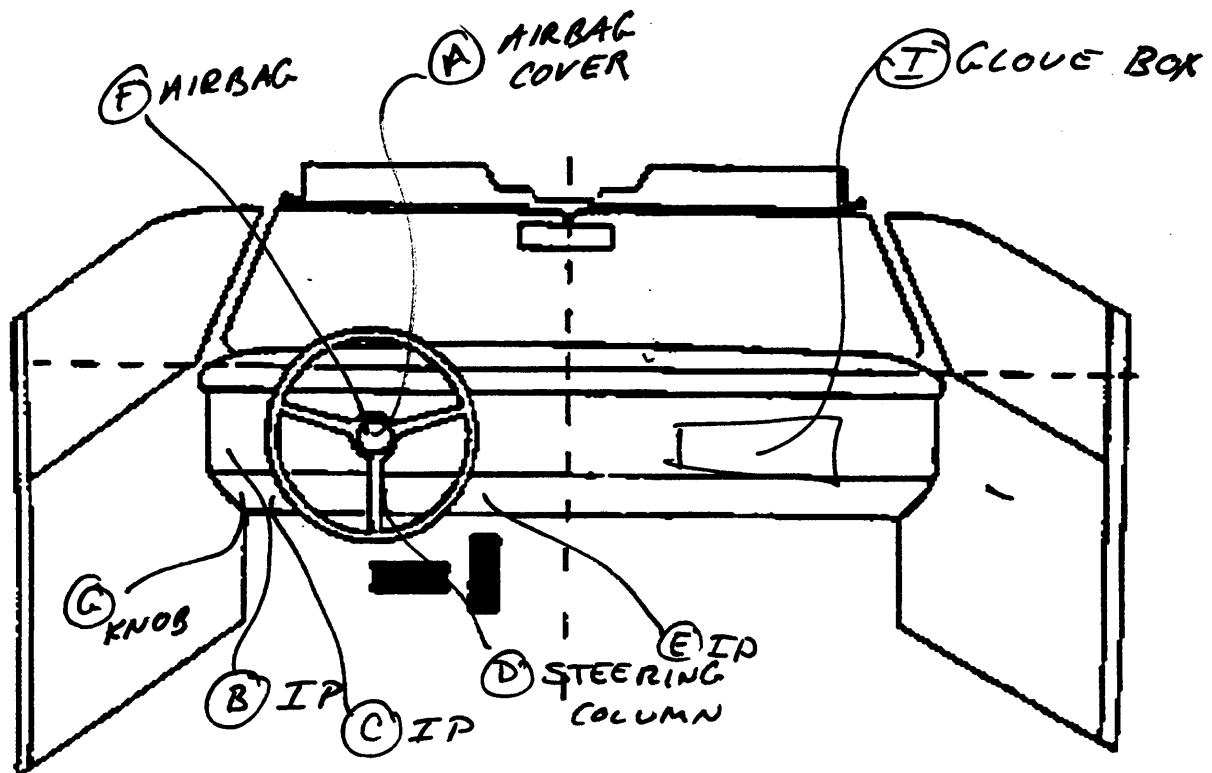
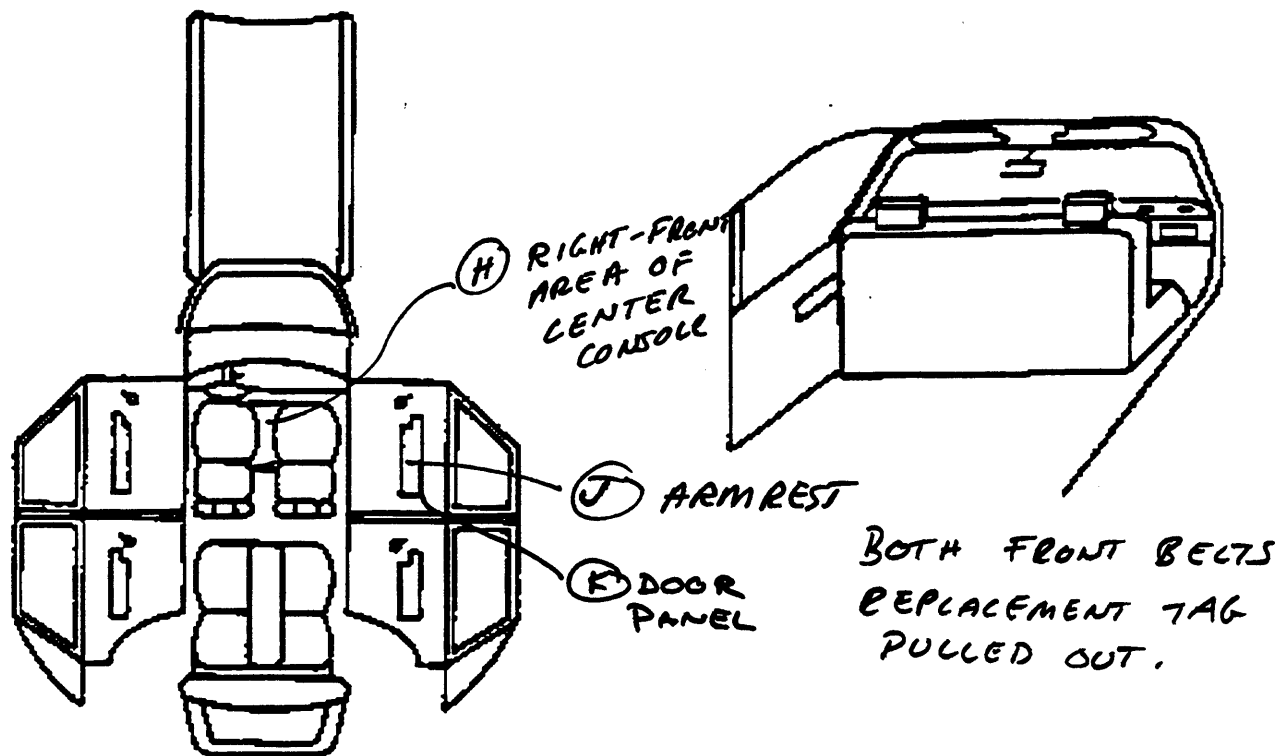
2

SKIN

,

INTRUSION IT-2

VEHICLE OCCUPANT CONTACT DIAGRAM



INTRUSION IT-3**CODES FOR COLUMN B, OCCUPANT SPACE NUMBER**

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & BENCH: PARTIAL WIDTH, LEFT AISLE SPACE
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & BENCH: PARTIAL WIDTH, CENTERED SPACE
- (4) ENTIRE VEHICLE WIDTH CARGO AREA

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS

X	X	11	13
X	X	X	21 22 23

VAN
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
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X	X	X	

CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
(Y) Y-AXIS (LATERAL)
(Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

INTRUSION IT-4

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (DESCRIBE)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER
COMPARTMENT BUT PART
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,
JACK. DESCRIBE.)
- (49) UNKNOWN EXTERNAL OBJECT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- | | |
|------------------------|-------------------------|
| (50) WINDSHIELD HEADER | (60) ROOF |
| A-PILLAR | ROOF RAIL |
| ROOF SIDE RAIL | A-PILLAR |
| | B-PILLAR |
| (51) INSTRUMENT PANEL | C-PILLAR |
| A-PILLAR | WINDOW FRAME |
| DOOR PANEL | DOOR PANEL |
| | FLOOR PAN |
| (52) INSTRUMENT PANEL | (61) INSTRUMENT PANEL |
| A-PILLAR | TOE PAN |
| WINDSHIELD HEADER | WINDSHIELD HEADER |
| | A-PILLAR |
| (53) DOOR PANEL | ROOF RAIL |
| B-PILLAR | WINDOW FRAME |
| ROOF RAIL | DOOR PANEL |
| | ROOF |
| (54) DOOR PANEL | (62) ROOF |
| A-PILLAR | ROOF RAIL |
| ROOF RAIL | C-PILLAR |
| | WINDOW FRAME |
| (55) INSTRUMENT PANEL | FLOOR PAN |
| FLOOR PAN | SECOND SEAT |
| A-PILLAR | DOOR PANEL |
| DOOR FRAME | |
| (56) ROOF RAIL | (63) ROOF RAIL |
| A-PILLAR | ROOF |
| B-PILLAR | B-PILLAR |
| WINDOW FRAME | WINDOW FRAME |
| | FLOOR PAN |
| (57) ROOF RAIL | DOOR PANEL |
| A-PILLAR | SECOND SEAT |
| B-PILLAR | FRONT SEAT |
| C-PILLAR | |
| DOOR PANEL | (64) ROOF RAIL |
| | ROOF OR CONVERTIBLE TOP |
| (58) ROOF | A-PILLAR |
| ROOF RAIL | B-PILLAR |
| WINDOW FRAME | WINDOW FRAME |
| DOOR PANEL | WINDOW HEADER |
| (59) BACKLIGHT HEADER | (65) WINDSHIELD |
| ROOF | WINDSHIELD HEADER |
| C-PILLAR | ROOF SIDE RAIL |
| THIRD SEAT-BACK | |
| | (66) WINDSHIELD |
| | WINDSHIELD HEADER |
| | A-PILLAR |
| | |
| | (98) NOT APPLICABLE |
| | (99) UNKNOWN |

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 1
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION? 1
13

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
 (1) YES ANSWER NEXT QUESTION.
 (9) UNKNOWN SKIP PAGE.

WAS INTRUSION CATASTROPHIC? 0
14

- (0) NO COMPLETE PAGE.
 (1) YES SKIP PAGE.

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 2
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.
 CODES FOR B, F, G, H, I, J ON PAGE IT-3
 CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 1</u>	<u>13</u>	<u>09</u>	<u>2</u>	<u>00</u>	<u>03</u> ⁴	<u>00</u>	<u>02</u>	<u>03</u>	<u>00</u>	<u>00</u>
<u>0 2</u>	<u>13</u>	<u>03</u>	<u>1</u>	<u>07</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 3</u>	<u>23</u>	<u>09</u>	<u>2</u>	<u>00</u>	<u>04</u> ⁴	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>	<u>00</u>
<u>0 4</u>	---	---	---	---	---	---	---	---	---	---
<u>0 5</u>	---	---	---	---	---	---	---	---	---	---
<u>0 6</u>	---	---	---	---	---	---	---	---	---	---
<u>0 7</u>	---	---	---	---	---	---	---	---	---	---

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8
from the previous card.Module 1 1 Format 0 3
9 10 11 12NOTE: IF NO SIDE DOOR INTRUSION,
SKIP REMAINDER OF PAGE.SIDE DOOR INTRUSION
RESULTED FROMINTRUSION
NUMBER CAUSE01

13

16

19

1

15

18

21

CODES
FOR CAUSE:

- (1) DIRECT
IMPACT
 (2) INDUCED
DAMAGE
 (9) UNKNOWN

IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED
DOOR INTRUSION, CODE COMPONENTINTRUSION
NUMBERDAMAGED
COMPONENT 1DAMAGED
COMPONENT 2CODES
FOR COMPONENTSA

22 23

B

26 27

C

30 31

D

34 35

25

29

33

37

- (0) NONE
 (1) A-PILLAR
 (2) B-PILLAR
 (3) C-PILLAR
 (4) LATCH/STRIKER
 (5) HINGES
 (7) OTHER:
 (8) NOT APPLICABLE
 (9) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module 1 1 Format 0 2
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

- ADDITIONAL PAGE -

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.
CODES FOR B, F, G, H, I, J ON PAGE IT-3
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
0 8	---	---	---	---	---	---	---	---	---	---
0 9	---	---	---	---	---	---	---	---	---	---
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1 4	---	---	---	---	---	---	---	---	---	---
1 5	---	---	---	---	---	---	---	---	---	---
1 6	---	---	---	---	---	---	---	---	---	---
1 7	---	---	---	---	---	---	---	---	---	---
1 8	---	---	---	---	---	---	---	---	---	---
1 9	---	---	---	---	---	---	---	---	---	---
2 0	---	---	---	---	---	---	---	---	---	---
2 1	---	---	---	---	---	---	---	---	---	---
2 2	---	---	---	---	---	---	---	---	---	---
2 3	---	---	---	---	---	---	---	---	---	---
2 4	---	---	---	---	---	---	---	---	---	---
2 5	---	---	---	---	---	---	---	---	---	---

(4) YES, and OCCUPANT CONTACT
(8) NOT APPLICABLE
(9) UNKNOWN

39

Duplicate columns 1-8
from the previous card.

Module S I Format 0 2
9 10 11 12

SEATS

ST-1

FRONT SEAT

TYPE OF FRONT SEAT

- (00) NO SEAT
(01) STANDARD BENCH
(02) SPLIT BACK, 50-50
(03) SPLIT BACK, DRIVER WIDE
(04) SPLIT BACK, PASS. WIDE
(05) BUCKET
(06) CAPTAIN'S CHAIR
(07) INDIV. BENCH, 50-50
(08) INDIV. BENCH, DRIVER WIDE
(09) INDIV. BENCH, PASS. WIDE
(97) OTHER: _____
(99) UNKNOWN

TYPE OF SEAT MOUNT

- (1) STANDARD
(2) PEDESTAL
(7) OTHER: _____
(8) NOT APPLICABLE
(9) UNKNOWN

SWIVEL MECHANISM EQUIPPED

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

ORIGINAL EQUIPMENT SEATS

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

CONTACT OF SEAT
BY REAR OCCUPANT

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

FRONT SEAT DAMAGE

- (0) NONE
(1) BACKREST ONLY DAMAGED
(2) CUSHION ONLY DAMAGED
(3) BACKREST &
CUSHION DAMAGED
(8) NOT APPLICABLE
(9) UNKNOWN

CENTER ARMREST DAMAGED

- (0) NO
(1) YES
(7) EQUIPPED, DAMAGE UNKNOWN
(8) NOT APPLICABLE
(NO CENTER ARMREST)
(9) UNKNOWN IF EQUIPPED

FRONT SEAT ROTATION

- (0) NONE APPARENT
(1) FORWARD APPARENT
(2) REARWARD APPARENT
(3) LEFT APPARENT
(4) RIGHT APPARENT
(5) MULTIPLE ROTATIONS
SPECIFY _____
(8) NOT APPLICABLE
(9) UNKNOWN

DRIVER

PASSENGR

05
13 1405
15 161
171
180
190
201
211
228
238
240
250
268
270
280
29

FRONT SEAT-BACK

SEAT-BACK TYPE

- (1) FORWARD FOLDING
(2) RIGID
(3) RECLINING
(7) OTHER: _____
(8) NOT APPLICABLE
(9) UNKNOWN

SEAT-BACK LOCK TYPE

- (0) NONE
(1) MANUAL
(2) INERTIA
(3) POWER
(7) OTHER: _____
(8) NOT APPLICABLE
(9) UNKNOWN

LOCKS HELD

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

RECLINER MECHANISM
HELD

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

HEAD RESTRAINT

HEAD RESTRAINT TYPE

- (0) NONE
(1) ADJUSTABLE
(2) INTEGRAL
(3) NOT INTEGRAL, BUT
CANNOT BE REMOVED
(7) OTHER: _____
(8) NOT APPLICABLE
(9) UNKNOWN

REMOVED PRE-CRASH

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

ADJUSTMENT AT CRASH

- (1) UP
(2) DOWN
(8) NOT APPLICABLE
(9) UNKNOWN

HEAD RESTRAINT DAMAGE

- (0) NONE
(1) DAMAGED BUT
NOT SEPARATED
(2) SEPARATED
(8) NOT APPLICABLE
(9) UNKNOWN

DRIVER

PASSENGR

1
301
311
321
331
341
351
361
371
381
390
400
411
421
430
440
45

41

Duplicate columns 1-8
from the previous card.

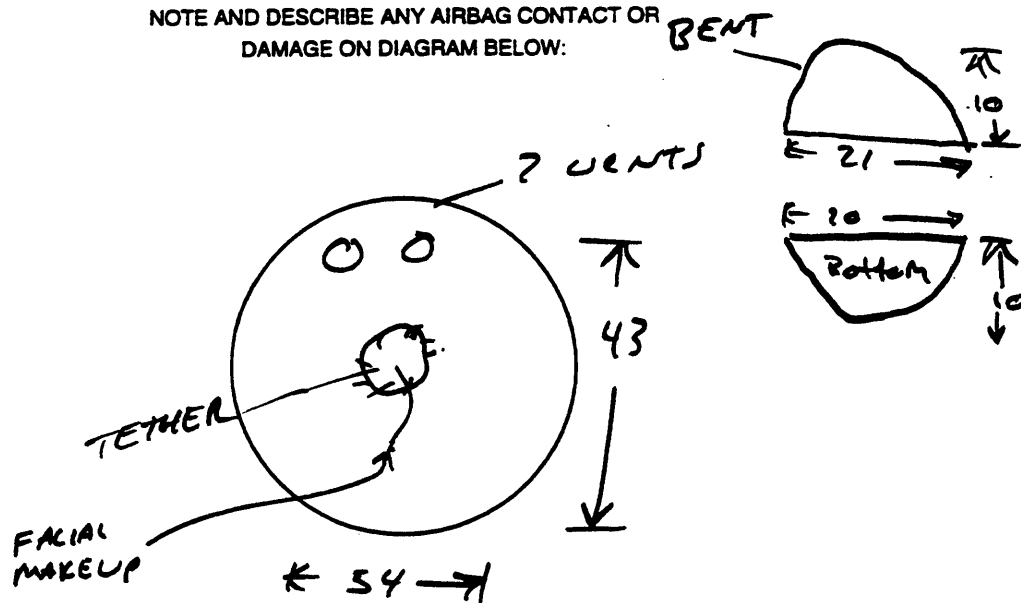
Module A B Format 0 1
9 10 11 12

AIRBAG AB-1

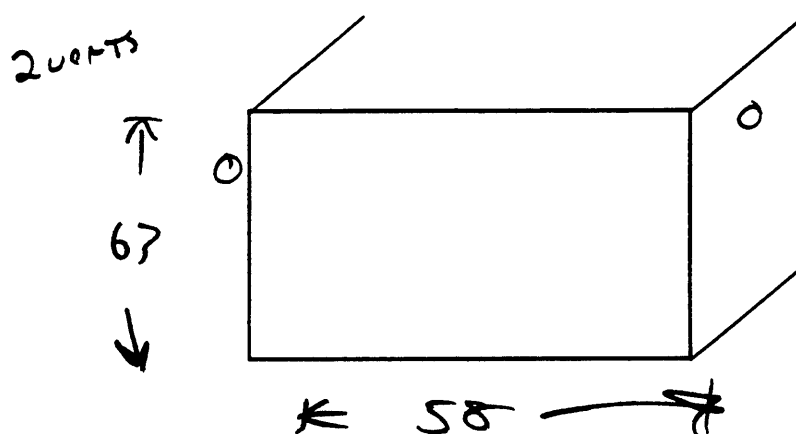
<p style="text-align: center;">DRIVER SIDE</p> <p>LOCATION OF AIRBAG STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 13</p> <p><u>1</u> 14</p>	<p style="text-align: center;">PASSENGER SIDE</p> <p>LOCATION OF AIRBAG INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 16</p> <p><u>1</u> 17</p>
<p>CONDITION OF AIRBAG STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 15</p>	<p>CONDITION OF AIRBAG INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p><u>0</u> 18</p>
<p style="text-align: center;">DRIVER SIDE</p> <p>AIRBAG STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>1</u> 19</p> <p><u>1</u> 20</p>	<p style="text-align: center;">PASSENGER SIDE</p> <p>AIRBAG INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p><u>0</u> 21</p> <p><u>0</u> 22</p>

AIRBAG AB-2

AIRBAG NUMBER ON DRIVER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:

AIRBAG NUMBER ON PASSENGER SIDE:

NOTE AND DESCRIBE ANY AIRBAG CONTACT OR
DAMAGE ON DIAGRAM BELOW:

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8 from the previous card.		Module <u>0</u> <u>C</u> Format <u>0</u> <u>2</u> 9 10 11 12		OCCUPANT INFORMATION OC-1	
OCCUPANT IDENTIFICATION OCCUPANT NUMBER <u>01</u> <small>13 14</small> ROLE OF OCCUPANT AT 1ST IMPACT (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN <u>1</u> <small>15</small>		PHYSICAL DESCRIPTION AGE IN YEARS <u>47</u> (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN <small>20 21</small> AGE IN MONTHS <u>25</u> (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN <small>22 23</small> MASS (kg) <u>155</u> (999) UNKNOWN <small>24 25 26</small> <u>070</u> HEIGHT (cm) <u>5'6</u> (999) UNKNOWN <small>27 28 29</small> <u>168</u> SEX <u>2</u> (1) MALE (2) FEMALE (9) UNKNOWN <small>30</small>			
OCCUPANT POSITION ROW LOCATION <u>1</u> <small>16</small> (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (9) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN LATERAL LOCATION <u>1</u> <small>17</small> (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN POSTURE <u>10</u> <small>18 19</small> (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN		MEDICAL CONDITIONS TREATMENT/MORTALITY <u>02</u> <small>31 32</small> (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN INJURY SEVERITY SCORE (ISS) <u>05</u> <small>33 34</small> (99) UNKNOWN NON-IMPACT MED. CONDITIONS <u>0</u> <small>35</small> (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN			

OCCUPANT INFORMATION OC-2

MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY
CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
 (1) C - POSSIBLE INJURY
 (2) B - NON-INCAPACITATING
 (3) A - INCAPACITATING INJURY
 (4) K - FATAL
 (5) INJURED, SEVERITY UNKNOWN
 (6) DIED PRIOR TO IMPACT
 (7) NON-FATAL INJURY,
 SEVERITY UNKNOWN
 (9) UNKNOWN

1
36

CHILD SEAT TYPE

- (00) NONE USED
 (01) YES, USED
 (02) INTEGRAL, Chrysler Mini-van
 (88) NOT APPLICABLE
 (ADULT OR OLDER CHILD)
 (99) UNKNOWN

88
41 42

CHILD SEAT MAKE/MODEL

RESTRAINT SYSTEM

ACTIVE RESTRAINT SYSTEM

- (0) NONE
 (1) LAP BELT
 (2) SHOULDER HARNESS ONLY
 (3) BOTH LAP BELT &
 SHOULDER HARNESS
 (9) UNKNOWN

3
37

ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
 (1) LAP BELT ONLY
 (2) SHOULDER HARNESS ONLY
 (3) BOTH LAP BELT &
 SHOULDER HARNESS
 (7) IMPROPER USAGE
 (8) NOT APPLICABLE (NONE AVAILABLE)
 (9) UNKNOWN

3
38

PASSIVE RESTRAINT SYSTEM

- (0) NONE
 (1) AIRBAG INSTALLED
 (2) PASSIVE UPPER TORSO
 WITH KNEE BOLSTERS
 (3) PASSIVE UPPER TORSO
 WITHOUT KNEE BOLSTERS
 (4) PASSIVE LAP & UPPER TORSO
 (5) AIRBAG INSTALLED &
 PASSIVE RESTRAINT
 (7) OTHER: _____
 (9) UNKNOWN

1
39

PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
 (1) AIRBAG NOT DEPLOYED
 (2) AIRBAG DEPLOYED
 (3) AIRBAG NOT REINSTALLED
 (4) PASSIVE UPPER TORSO USED
 (5) PASSIVE LAP & UPPER TORSO USED
 (6) SYSTEM USED IN MANUAL MODE
 (7) IMPROPER USAGE
 (8) NOT APPLICABLE (NOT ORIGINALLY
 EQUIPPED)
 (9) UNKNOWN

2
40

EJECTION

DEGREE OF EJECTION

- (0) NONE
 (1) PARTIAL
 (2) COMPLETE
 (7) EJECTED, DEGREE UNKNOWN
 (9) UNKNOWN IF EJECTED

0
43

AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
 (02) WINDOW, RIGHT SIDE
 (03) WINDOW, REAR
 (04) DOOR, LEFT SIDE
 (05) DOOR, RIGHT SIDE
 (06) DOOR, REAR OR TAILGATE
 (07) WINDSHIELD
 (08) ROOF OR OPEN CONVERTIBLE OR
 FROM EXTERNAL AREA
 (96) EJECTED AREA UNKNOWN
 (97) OTHER AREA: _____
 (98) NOT APPLICABLE (NOT EJECTED)
 (99) UNKNOWN IF EJECTED

98
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE
 IN DETAIL BELOW:

HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE
FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
 (1) EQUIPPED
 (9) UNKNOWN

1
46

OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

*Sunglasses
flew off*

1
47

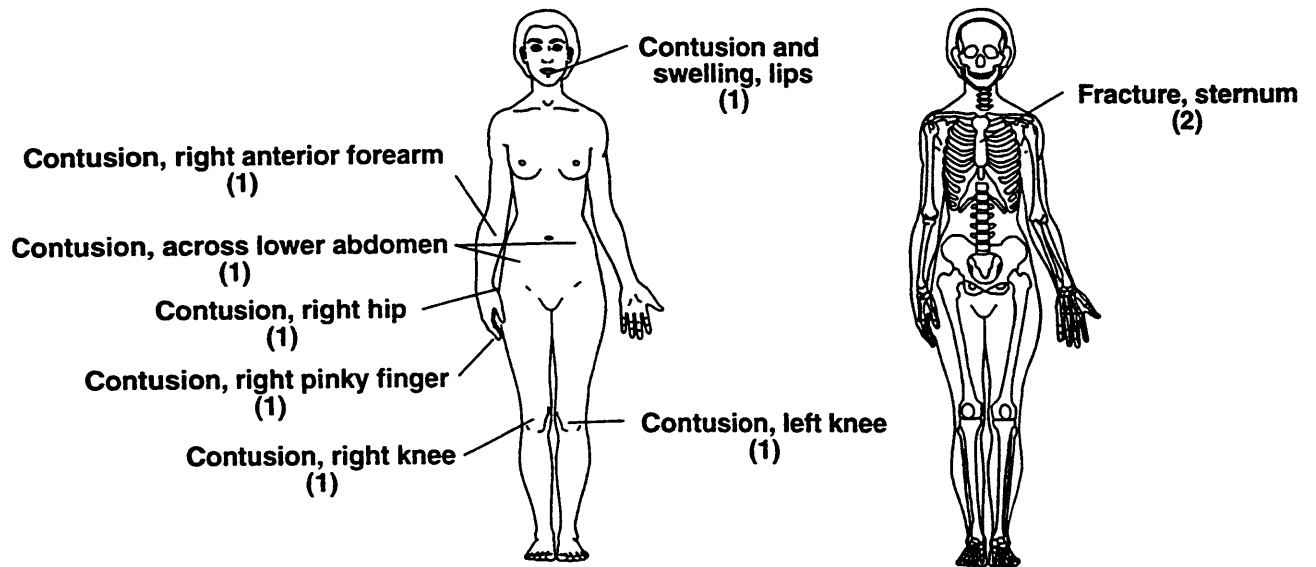
SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER _____
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

0
48

OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8
from the previous card.

Module 1 C Format 0 1
9 10 11 12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		1ST	2ND												
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
Duplicate "Occupant Number" for each line.	01	87	--	LIPS	F	I	C	I	1	--	--	--	--	--	
	02	34	--	STERNUM	C	C	F	S	2	--	--	--	--	--	
	03	33	34		P	R	C	I	1	--	--	--	--	--	
	04	34	--		M	W	C	I	1	--	--	--	--	--	
	05	47	87		W	R	C	I	1	--	--	--	--	--	
	06	47	87		R	R	C	I	1	--	--	--	--	--	
	07	83	56		K	L	C	I	1	--	--	--	--	--	
	08	66	56		K	R	C	I	1	--	--	--	--	--	
	--	--	--		--	--	--	--	--	--	--	--	--	--	
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

INJURY CLASSIFICATION IC-2

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

PENETRATING OBJECTS

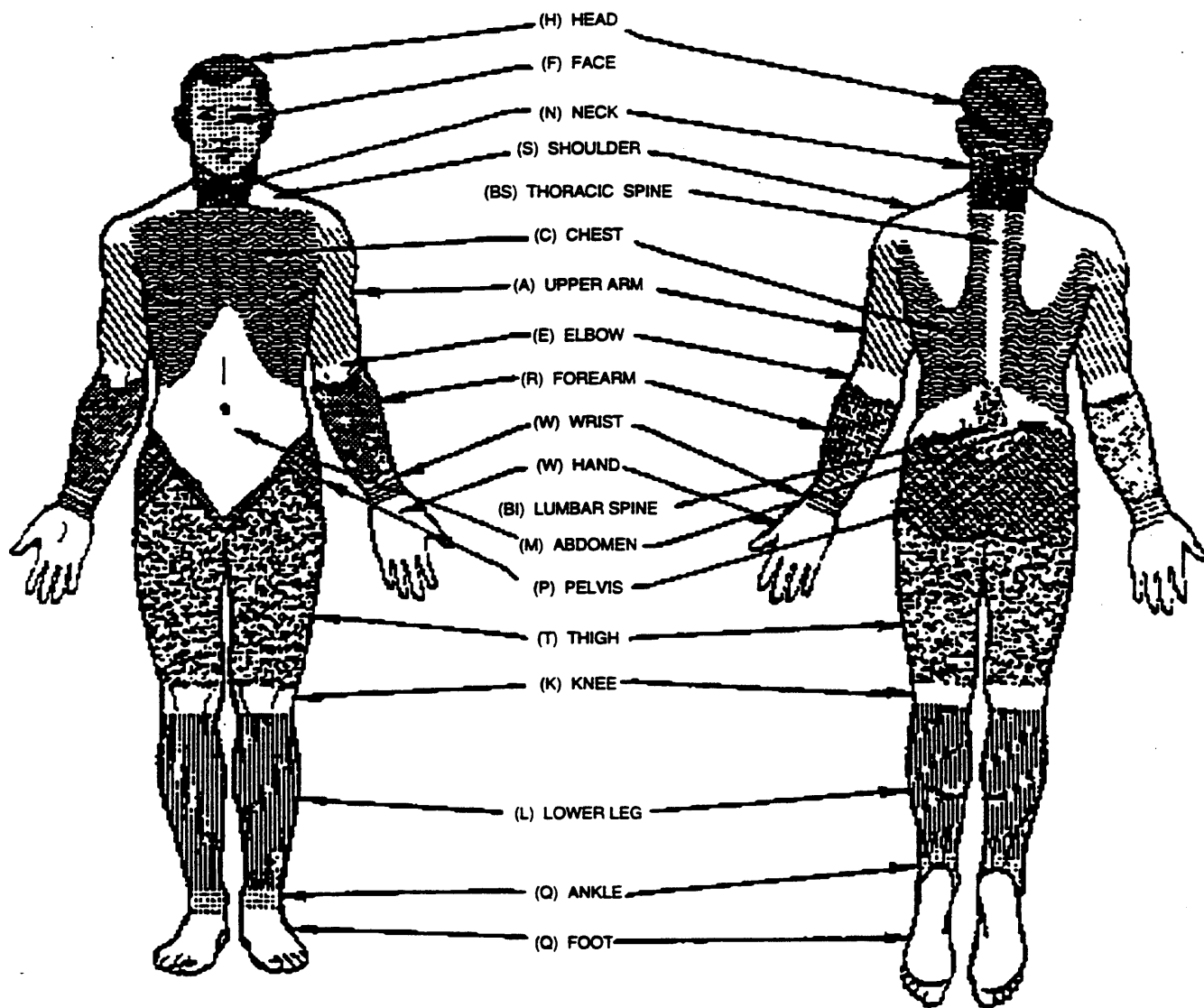
- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

INJURY CLASSIFICATION IC-3

THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC - 4.



INJURY CLASSIFICATION IC-4

CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

(H) HEAD/SKULL
 (F) FACE
 (N) NECK
 (S) SHOULDER
 (X) UPPER EXTREMITIES
 (A) ARM (*UPPER*)
 (E) ELBOW
 (R) FOREARM
 (W) WRIST/HAND
 (C) CHEST
 (M) ABDOMEN
 (B) BACK
 (P) PELVIC/HIP
 (Y) LOWER EXTREMITIES
 (T) THIGH
 (K) KNEE
 (L) LEG (*LOWER*)
 (Q) ANKLE/FOOT
 (O) WHOLE BODY
 (U) UNKNOWN

3 LESION

(L) LACERATION
 (C) CONTUSION
 (A) ABRASION
 (F) FRACTURE
 (P) PERFORATION, PUNCTURE
 (K) CONCUSSION
 (V) AVULSION
 (R) RUPTURE
 (S) SPRAIN
 (D) DISLOCATION
 (N) CRUSH
 (M) AMPUTATION
 (B) BURN
 (G) DETACHMENT, SEPARATION
 (Z) FRACTURE AND DISLOCATION
 (T) STRAIN
 (E) TOTAL SEVERANCE, TRANSECTION
 (O) OTHER
 (U) UNKNOWN

4 SYSTEM/ORGAN

(S) SKELETAL
 (V) VERTEBRAE
 (J) JOINTS
 (D) DIGESTIVE
 (L) LIVER
 (N) NERVOUS SYSTEM
 (B) BRAIN
 (C) SPINAL CORD
 (E) EARS
 (O) EYES
 (A) ARTERIES
 (H) HEART
 (Q) SPLEEN
 (G) UROGENITAL
 (K) KIDNEYS
 (R) RESPIRATORY
 (P) PULMONARY/LUNGS
 (M) MUSCLES
 (T) THYROID, OTHER ENDOCRINE GLAND
 (I) INTEGUMENTARY (*SKIN*)
 (W) ALL SYSTEMS IN REGION
 (U) UNKNOWN

2 ASPECT

(R) RIGHT
 (L) LEFT
 (B) BILATERAL
 (C) CENTRAL
 (A) ANTERIOR/FRONT
 (P) POSTERIOR/BACK
 (S) SUPERIOR/UPPER
 (I) INFERIOR/LOWER
 (W) WHOLE REGION
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

5 SEVERITY
(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE
 (1) MINOR
 (2) MODERATE
 (3) SERIOUS
 (4) SEVERE
 (5) CRITICAL
 (6) MAXIMUM
 (9) UNKNOWN

Duplicate columns 1-8
from the previous card.Module 0 C Format 0 2
9 10 11 12

OCCUPANT INFORMATION OC-1

OCCUPANT IDENTIFICATION

OCCUPANT NUMBER

02
13 14

ROLE OF OCCUPANT AT 1ST IMPACT

- (1) MOTOR VEHICLE DRIVER
(2) MOTOR VEHICLE PASSENGER
(NOT DRIVER)
(9) UNKNOWN

2
15

PHYSICAL DESCRIPTION

AGE IN YEARS

- (00) LESS THAN 1 YEAR
(98) 98 YEARS OR OLDER
(99) UNKNOWN

18
20 21

AGE IN MONTHS

- (00) LESS THAN 1 MONTH
(25) 25 MONTHS OR OLDER
(99) UNKNOWN

25
22 23

MASS (kg)

- (999) UNKNOWN

135

061
24 25 26

HEIGHT (cm)

- (999) UNKNOWN

5'6"

168
27 28 29

SEX

- (1) MALE
(2) FEMALE
(9) UNKNOWN

2
30

OCCUPANT POSITION

ROW LOCATION

- (1) FRONT
(2) SECOND
(3) THIRD
(4) FOURTH
(7) OTHER: _____
(8) EXTERNAL TO PASSENGER
COMPARTMENT (E.G. BED OF PICKUP)
(9) UNKNOWN

1
16

LATERAL LOCATION

- (1) LEFT
(2) LEFT CENTER
(3) CENTER
(4) RIGHT CENTER
(5) RIGHT
(6) ALL (LYING ON SEAT)
(8) EXTERNAL TO PASSENGER
COMPARTMENT
(9) UNKNOWN

5
17

POSTURE

- (10) SITTING ON SEAT
(11) SITTING ON SEAT IN ABNORMAL
POSITION (E.G. FEET ON DASH,
SIDEWAYS)
(12) SITTING ON CONSOLE
(20) ON LAP OR IN ARMS
(30) STANDING ON SEAT
(40) STANDING ON FLOOR
(47) STANDING, EXTERNAL TO
PASSENGER COMPARTMENT
(50) IN BASSINET
(60) IN CHILD SEAT
(65) IN CHILD HARNESS
(70) LYING ON SEAT
(80) LYING/SITTING ON PASSENGER
FLOOR
(83) LYING/SITTING ON OTHER
OBJECT IN PASSENGER
COMPARTMENT: _____
(85) ON CARGO FLOOR/FOLDED
SEAT-BACK
(87) LYING/SITTING, EXTERNAL TO
PASSENGER COMPARTMENT
(97) OTHER: _____
(99) UNKNOWN

10
18 19

MEDICAL CONDITIONS

TREATMENT/MORTALITY

- (00) NONE
(01) FIRST AID AT SCENE
(02) TREATED AT HOSPITAL/CLINIC
BUT NOT ADMITTED
(03) HOSPITALIZED FOR OBSERVATION
LESS THAN 24 HOURS
(04) HOSPITALIZED OVER 24 HOURS
OR FOR SIGNIFICANT TREATMENT
(05) FATAL, DEAD AT SCENE
(06) FATAL, DOA
(07) FATAL, DEAD WITHIN 24 HOURS
(08) FATAL, DEAD 24 HOURS TO
31 DAYS LATER
(09) FATAL, DEAD 31 DAYS TO
1 YEAR LATER
(10) FATAL DEAD WITHIN UNKNOWN
PERIOD
(99) UNKNOWN

02
31 32

INJURY SEVERITY SCORE (ISS)

- (99) UNKNOWN

05
33 34

NON-IMPACT MED. CONDITIONS

- (0) NONE
(1) YES, TIME & TYPE UNKNOWN
(2) PRE-CRASH FATAL (CLINICAL
DEATH AT WHEEL)
(3) PRE-CRASH NON-FATAL (E.G.
PRIOR INJURY, STROKE)
(4) PREGNANT
(5) POST-CRASH FATAL (DROWNING)
(6) POST-CRASH NON-FATAL INJURY
(7) OTHER: _____
(8) COMBINATION OF ABOVE
(CIRCLE EACH)
(9) UNKNOWN

0
35

OCCUPANT INFORMATION OC-2

MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO IMPACT
- (7) NON-FATAL INJURY,
SEVERITY UNKNOWN
- (9) UNKNOWN

1
36

CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (02) INTEGRAL, Chrysler Mini-van
- (88) NOT APPLICABLE
(ADULT OR OLDER CHILD)
- (99) UNKNOWN

88
41 42

CHILD SEAT MAKE/MODEL

RESTRAINT SYSTEM

ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &
SHOULDER HARNESS
- (9) UNKNOWN

3
37

ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT &
SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

3
38

PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIRBAG INSTALLED
- (2) PASSIVE UPPER TORSO
WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO
WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (5) AIRBAG INSTALLED &
PASSIVE RESTRAINT
- (7) OTHER: _____
- (9) UNKNOWN

1
39

PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
- (1) AIRBAG NOT DEPLOYED
- (2) AIRBAG DEPLOYED
- (3) AIRBAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM USED IN MANUAL MODE
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NOT ORIGINALLY
EQUIPPED)
- (9) UNKNOWN

2
40

EJECTION

DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0
43

AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR
FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: _____
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

9 8
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:

HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
- (1) EQUIPPED
- (9) UNKNOWN

1
46

OCCUPANT INFORMATION OC-3

OCCUPANT EYEWEAR

- (0) NONE
- (1) GLASSES
- (2) CONTACTS
- (3) BOTH GLASSES AND CONTACTS
- (4) OTHER _____
- (8) NOT APPLICABLE
- (9) UNKNOWN

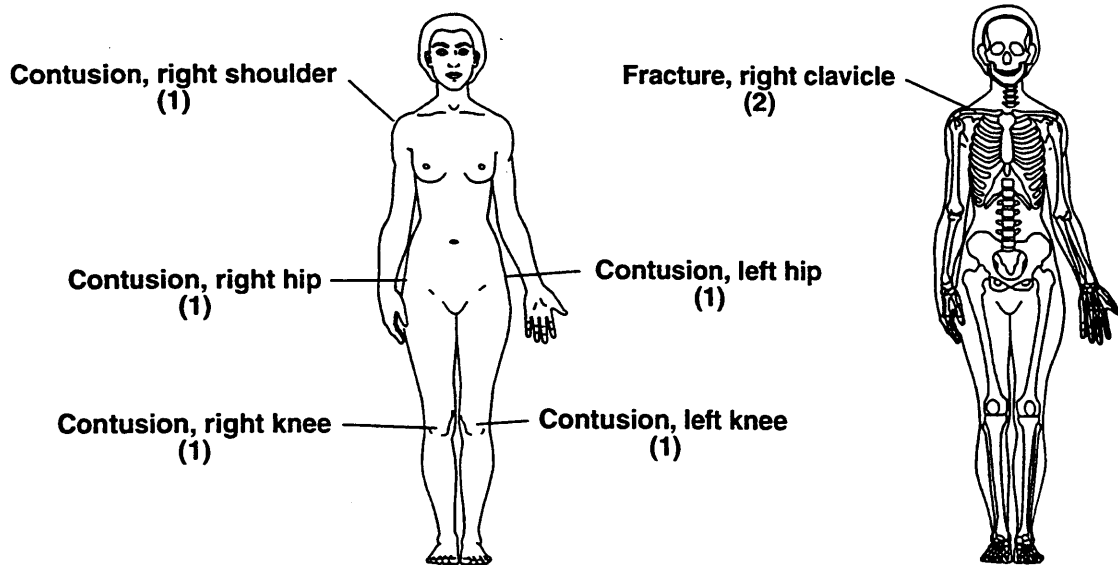
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47

SOURCE OF INFORMATION

- (0) INTERVIEW
- (1) HOSPITAL
- (2) AUTOPSY
- (3) POLICE
- (4) OTHER _____
- (5) LAY CORONER/EXTERNAL EXAM
- (7) COMBINATION OF ABOVE (CIRCLE)
- (8) NOT APPLICABLE
- (9) UNKNOWN

0
48

INDICATE LOCATION OF INJURIES.



Duplicate columns 1-8
from the previous card.

Module 1 C Format 0 1
9 10 11 12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS	
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.			COMMENTS	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		AREA(S) OF POSSIBLE CONTACT 1ST 2ND														
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30		
<div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; height: 100px; margin-right: 5px;"></div> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: small;">Duplicate "Occupant Number" for each line.</div> </div>	<u>02</u>	<u>01</u>	<u>34</u>	--		<u>S</u>	<u>R</u>	<u>F</u>	<u>S</u>	<u>2</u>	--	--	--	--	--	
		<u>02</u>	<u>34</u>	--		<u>S</u>	<u>R</u>	<u>C</u>	<u>I</u>	<u>1</u>	--	--	--	--	--	
		<u>03</u>	<u>13</u>	<u>34</u>		<u>P</u>	<u>R</u>	<u>C</u>	<u>I</u>	<u>1</u>	--	--	--	--	--	
		<u>04</u>	<u>33</u>	<u>34</u>		<u>P</u>	<u>L</u>	<u>C</u>	<u>I</u>	<u>1</u>	--	--	--	--	--	
		<u>05</u>	<u>27</u>	--		<u>K</u>	<u>L</u>	<u>C</u>	<u>I</u>	<u>1</u>	--	--	--	--	--	
		<u>06</u>	<u>02</u>	--		<u>K</u>	<u>R</u>	<u>C</u>	<u>I</u>	<u>1</u>	--	--	--	--	--	
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK
- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)
- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

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Keywords: social support; coping strategies; depression

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

Keywords: *gender, social identity, community, leadership, women*



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Keywords: child sexual abuse; self-esteem; coping strategies

Source: *U.S. Census Bureau, Current Population Reports, 1990*





PN 3727-98 #2



PN3727-98 #3
Best Available



PN 3727-98 #4
Best Available



PN3727-98 #5
Best Available



PN 3727-98 #6
Best Available



PN 3727-98 #7
Best Available



PN 3727-98 #8
Best Available



FN 3727-98 #9
Best Available



PN3727-98 #10
Best Available



PN 3727-98 #11



PN3727-98 #12
Best Available



PN3727-98 #13
Best Available



PN 3727-98 #14
Best Available



PN 3727-98 #15
Best Available



PN 3727-98 #16



PN3727-98 #17
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PN3727-98 #18



PN3727-98 #19



PN 3727-98 #20
Best Available



PN 3727-98 #21
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PN 3727-98 #22



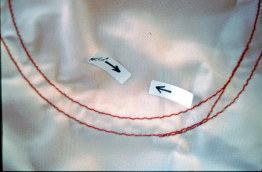
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PN3727-98 #27



PN 3727-98 #28



PN 3727-98 #29



PN 3727-98 #30



PN 3727-98 #31



PN 3727-98 #32



PN 3727-98 #33



PN 3727-98 #34



PN 3727-98 #35



PN3727-98 #38



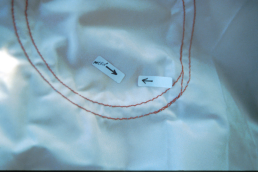
PN 3727-98 #37



PN 3727-98 #38



PN 3727-96 #39



PN 3727-98 #40



PN 3727-98 #41



PN 3727-98 #42



PN 3727-98 #43



PN 3727-98 #44



PN 3727-98 #45



PN 3727-98 #46



PN 3727-98 #47

CASE NO.: UM03727-98

CASE VEHICLE: 1994 Dodge

TYPE: Buick Regal, 3-door coupe

OCCUPANT: (Driver) 47-year-old female

STATURE: 56 inches (5 ft 6 in)

WEIGHT: 75 kg (165 lb)

RESTRAINTS: 3-point seat worn, airbag deployed

SEVERITY: MAIS - 1

ISS - 4



CASE NO.: 98-0727-49

CASE VEHICLE: 1998 Ford

TYPE: Escort EXL, 3-door coupe

OCCUPANT: (Right hand) 44-year-old female

STATURE: 5'6-inches (5 ft 6 in)

WEIGHT: 80 kg (176 lb)

RESTRAINTS: 3-point belt worn; airbag deployed

SEVERITY: MAJOR - 2

MINOR - 4

